



STIC Search Report

EIC 2100

STIC Database Tracking Number: 195493

TO: Jacques Veillard
Location:
Art Unit : 2165
Thursday, July 13, 2006

Case Serial Number: 09/839587

From: Geoffrey St. Leger
Location: EIC 2100
Randolph-4B31
Phone: 23450

geoffrey.stleger@uspto.gov

Search Notes

Dear Examiner Veillard,

Attached please find the results of your search request for application 09/839587. I searched Dialog's foreign patent files and non-patent literature files.

Please let me know if you have any questions.

Regards,



Geoffrey St. Leger
4B31/x23540

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File 14: Mechanical and Transport Engineer Abstract 1966-2006/Jun
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Set	Items	Description
S1	3909023	AGREEMENT? ? OR CONTACT? ? OR COVENANT? ? OR TREATY OR TREATIES OR ACCORD? ? OR PACT? ? OR DEAL? ? OR ARRANGEMENT? ?
S2	38122	S1(5N)(CHAIN??? OR STRING? ? OR SERIES OR NETWORK? ?)
S3	144215	(SECOND? OR 2ND OR THIRD OR 3RD OR ANOTHER OR OTHER OR DIFFERENT)(2W)(PARTY OR PARTIES OR ENTITY OR ENTITIES OR PERSON? ? OR INDIVIDUAL? ? OR USER? ? OR VENDOR? ? OR PARTNER? ? OR SUPPLIER? ? OR COMPAN??? OR ORGANIZATION? ?)
S4	20244	(SECOND? OR 2ND OR THIRD OR 3RD OR ANOTHER OR OTHER OR DIFFERENT)(2W)(ORGANISATION? ? OR PROVIDER? ? OR BUSINESS?? OR RETAILER? ? OR WHOLESALE? ? OR DEALER? ? OR MERCHANT? ? OR CONTRACTOR? ?)
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S6	64527	(MULTIPLE OR MULTIPLICITY OR SEVERAL OR MORE OR MANY OR PLURAL? OR DUAL? OR VARIOUS OR TWO OR THREE OR PAIR? ?)(2W)(ORGANISATION? ? OR PROVIDER? ? OR BUSINESS?? OR RETAILER? ? OR WHOLESALE? ? OR DEALER? ? OR MERCHANT? ? OR CONTRACTOR? ? OR USER? ?)
S7	8578255	COMPUT? OR PC? ? OR TERMINAL? ? OR WORKSTATION? ? OR WORK(-)STATION? ? OR NODE? ? OR CLIENT? ?
S8	2596487	NETWORK??? OR LAN OR WAN OR INTRANET? ? OR EXTRANET? ?
S9	779	S2 AND S3:S6
S10	286	S9 AND S7
S11	242	S10 AND S8
S12	205	RD (unique items)
S13	139	S12 NOT PY=2001:2006
S14	9679	S1(5N)CHAIN???
S15	0	S13 AND S14
S16	105	S14 AND S3:S6
S17	24	S16 AND S7:S8

S18	24	RD (unique items)
S19	15	S18 NOT PY=2002:2006
S20	3096	(CONTRACT? ? OR AGREEMENT? ?)(5N)CHAIN???
S21	121	S20 AND S3:S6
S22	99	RD (unique items)
S23	47	S22 NOT (S19 OR PY=2002:2006)
S24	2	DISTRIBUTED()RESOURCE()SHARING()AGREEMENT? ?
S25	24110	(AGREEMENT? ? OR CONTRACT? ?) AND S7 AND S8
S26	74	S25 AND SUPPLY()CHAIN? ?
S27	63	RD (unique items)
S28	15	S27 NOT (S21 OR PY=2001:2006)
S29	24003	RESOURCE? ?(3N)SHAR???
S30	109	S25 AND S29
S31	95	RD (unique items)
S32	50	S31 NOT PY=2001:2006

28/5/1 (Item 1 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
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05826180 E.I. No: EIP01226525181

Title: Effect of reinforcement learning on coordination of multiagent systems

Author: Bukkapatnam, S.; Gao, G.

Corporate Source: Dept. of Industrial and Systems Eng. University of Southern California, Los Angeles, CA 90007, United States

Conference Title: Network Intelligence: Internet-based Manufacturing

Conference Location: Boston, MA, United States Conference Date: 20001108

Sponsor: SPIE

E.I. Conference No.: 58053

Source: Proceedings of SPIE - The International Society for Optical Engineering v 4208 2000. p 31-41

Publication Year: 2000

CODEN: PSISDG ISSN: 0277-786X

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications)

Journal Announcement: 0106w2

Abstract: For effective coordination of distributed environments involving multiagent systems, learning ability of each agent in the environment plays a crucial role. In this paper, we develop a simple group learning method based on reinforcement, and study its effect on coordination through application to a **supply chain** procurement scenario involving a **computer** manufacturer. Here, all parties are represented by self-interested, autonomous agents, each capable of performing specific simple tasks. They negotiate with each other to perform complex tasks and thus coordinate **supply chain** procurement. Reinforcement learning is intended to enable each agent to reach a best negotiable price within a shortest possible time. Our simulations of the application scenario under different learning strategies reveals the positive effects of reinforcement learning on an agent's as well as the system's performance. 10 Refs.

Descriptors: ***Computer** integrated manufacturing; Learning systems; Software agents; Internet; Distributed **computer** systems; **Computer** simulation; Electronic commerce; **Network** protocols; Algorithms

Identifiers: Reinforcement learning; Multiagent systems; **Contract** net protocol

Classification Codes:

913.4.2 (Computer Aided Manufacturing)

723.5 (Computer Applications); 913.4 (Manufacturing); 723.4 (Artificial Intelligence); 723.1 (Computer Programming); 722.4 (Digital Computers & Systems)

723 (Computer Software, Data Handling & Applications); 913 (Production Planning & Control; Manufacturing); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT)

28/5/2 (Item 1 from file: 35)
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01472790 ORDER NO: AADAA-I9612045

SUPPLY CHAIN CONTROL WITH QUANTITY FLEXIBILITY

Author: TSAY, ANDY A.

Degree: PH.D.

Year: 1995

Corporate Source/Institution: STANFORD UNIVERSITY (0212)

Co-advisers: WILLIAM S. LOVEJOY, SEUNGJIN WHANG

Source: VOLUME 56/12-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 4856. 229 PAGES

Descriptors: BUSINESS ADMINISTRATION, MANAGEMENT ; ENGINEERING,

INDUSTRIAL ; OPERATIONS RESEARCH
Descriptor Codes: 0454; 0546; 0796

The Quantity Flexibility (QF) **contract** is a method for coordinating materials and information flows in **supply chains** operating under rolling-horizon planning. It stipulates a percentage revision each element of the period-by-period replenishment schedule is allowed per planning iteration. The supplier is obligated to cover any requests that remain within the upside limits. The bounds on reductions are a form of minimum purchase commitment which discourages the customer from over-forecasting its needs. This dissertation develops rigorous conclusions about the behavioral consequences of QF **contracts**, and hence about the implications for the performance and design of **supply chains** with linkages possessing this structure.

A model of a relationship between an independent supplier and its customer in a more simplified planning environment is used to compare various methods of structuring the relationship. Proper application of the QF **contract** is shown to replicate the economic efficiency of central control.

We then formulate and solve the rolling-horizon decision problem associated with the local control of two types of inventory stocking points (**nodes**). We analyze the structure of the resulting operating policies, and connect the installed flexibility to inventory and service outcomes. Throughout the analysis we develop the notion of inventory as a byproduct of the discrepancy between the flexibility received on a **node**'s input side, and the flexibility promised to the **node**'s customer.

Linking together these nodal building blocks enables performance modeling of assembly-structure **supply chains** of arbitrary complexity. The simultaneous crafting of QF **contracts** throughout the system is a means to distribute the inventory burden. Simulation is used to examine how system inventory patterns, order variability, and end-customer service are affected by the market demand process, system flexibility characteristics and time-lags.

Two questions of **network** design are addressed using nonlinear programming: If the supplier and customer are both independently managed units of the same firm, how might a central planner specify the internal **contract** to achieve good joint performance? How much should the customer on the receiving end of a QF **contract** be willing to pay for a particular "amount" of flexibility?

28/5/3 (Item 1 from file: 65)
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04052537 INSIDE CONFERENCE ITEM ID: CN042592985
Virtual Supply Chain Management: Information Framework and Agreement Network Model

Chandra, C.; Smirnov, A. V.
CONFERENCE: Computer supported cooperative work in design-International conference; 6th

PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON COMPUTER SUPPORTED COOPERATIVE WORK IN DESIGN, 2001; 6TH P: 466-471

NRC

ISBN: 0660184931

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE EDITOR(S): Shen, W.

CONFERENCE SPONSOR: National Research Council Canada

CONFERENCE LOCATION: London, Canada 2001; Jul (200107) (200107)

BRITISH LIBRARY ITEM LOCATION: 6844.549900

NOTE:

Also known as CSCWD 2001

DESCRIPTORS: **computer** supported cooperative work; design; NRC; CSCWD

28/5/4 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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06684577 INSPEC Abstract Number: B9710-6150M-034, C9710-5640-024

Title: Data protocols for the industrial virtual enterprise

Author(s): Hardwick, M.; Spooner, D.; Rando, T.; Morris, K.C.

Author Affiliation: Rensselaer Polytech. Inst., Troy, NY, USA

Conference Title: Proceedings TeamCAD: Gvu/NIST Workshop on Collaborative Design p.107-14

Editor(s): Rossignac, J.

Publisher: Georgia Inst. Technol, Atlanta, GA, USA

Publication Date: 1997 Country of Publication: USA iii+249 pp.

Material Identity Number: XX97-01574

Conference Title: Proceedings of TeamCAD: 1st Gvu Workshop on Collaborative Design

Conference Date: 12-13 May 1997 Conference Location: Atlanta, GA, USA

Availability: Tonya Dunson, Georgia Institute of Technology, GCATT Building, 250 14th Street NW, Atlanta, Georgia 30318 0490, USA

Language: English Document Type: Conference Paper (PA)

Treatment: General, Review (G)

Abstract: High-performance **computer networks** allow companies to share data and technology electronically and thus collaborate in industrial virtual enterprises (IVES). One barrier to such collaboration is the lack of interoperability among the application systems of different companies. The National Industrial Information Infrastructure Protocols (NIIP) Consortium is researching the protocols needed to support IVES. This includes developing the actual protocols, programming demonstrations that validate the protocols and creating software tools centered around the use of the protocols. This article describes three layered data protocols being developed in Phase 1 of this project. The three protocols allow Internet access to industrial product data that have a STEP description. STEP lets enterprises exchange a wide range of industrial data. The current best alternative to STEP for managing the data of an IVE is to use a single, integrated system. Such a system could be owned and managed by a prime contractor, who could then give its **supply chain** access via a set of Internet interfaces. Two of the weaknesses of this approach are that it does not provide a solution when an IVE contains multiple prime contractors and it requires the **supply chain** to use the integrated system of the prime contractor to create their data. The integrated solution has the advantage that accuracy problems are avoided because data does not have to be translated between different systems. The STEP community is encouraging the CAD vendors to implement software that can identify when a model needs to be made more accurate. (10 Refs)

Subfile: B C

Descriptors: CAD/CAM; **contracts** ; electronic data interchange; manufacturing data processing; open systems; protocols

Identifiers: layered data protocols; industrial virtual enterprises; high-performance **computer networks** ; collaboration; interoperability; National Industrial Information Infrastructure Protocols Consortium; software tools; industrial product data; Internet access; STEP description; integrated system; prime contractor; **supply chain** ; accuracy; CAD vendors

Class Codes: B6150M (Protocols); B6210L (Computer communications); C5640 (Protocols); C6130E (Data interchange); C7160 (Manufacturing and industrial administration); C6150N (Distributed systems software); C7480 (Production engineering computing)

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28/5/5 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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04492157 JICST ACCESSION NUMBER: 00A0098609 FILE SEGMENT: JICST-E
A Study on Negotiation Protocol under Environment of Virtual Enterprise.
FUJII SUSUMU (1); KAIHARA TOSHIYA (2); SAKANAKA MAYUMI (3)
(1) Kobe Univ.; (2) Univ. Marketing and Distribution Sci., JPN; (3) Kobe Univ., Grad. Sch.

Jido Seigyo Rengo Koenkai Maezuri, 1999, VOL.42nd, PAGE.271-272, FIG.4, TBL.1, REF.4

JOURNAL NUMBER: F0989BAQ

UNIVERSAL DECIMAL CLASSIFICATION: 658.86/.87

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

ABSTRACT: Formation of a virtual enterprise or a **supply chain** is considered to be one of the effective and promising methods for survival of industries under severe competition. In this study, we develop a basic model in forming a virtual enterprise or **supply chain** through negotiation among potential members in the negotiation domain. The negotiation protocol is assumed to be the **contract** -net using price and volume for bidding. Following the detailed explanation of the model and the formation of a virtual enterprise, the model is illustrated by a simple numerical example. (author abst.)

DESCRIPTORS: distribution system(marketing); internet; transaction; optimization; protocol; hierarchical structure; bidding; **computer simulation**

BROADER DESCRIPTORS: system; **computer network** ; communication **network** ; information **network** ; **network** ; modification; rule; structure; **computer** application; utilization; simulation

CLASSIFICATION CODE(S): KA080000

28/5/9 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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09086797

Compaq to help Hon Hai set up global logistics system

TAIWAN: HON HAI AIMS FOR BETTER OPERATIONS

China Economic News (AMH) 11 Apr 1999

Language: ENGLISH

Hon Hai Precision Industry Co. will allow Compaq **Computer** to set up a global **supply chain** management/enterprise resources planning **networking** system within Hon Hai's factories around the world. Hon Hai will use US\$ 30mn to set up the system. Compaq will provide expertise and technical support to Hon Hai. Hon Hai will also use some 1.5%-2% from its sales revenue annually to invest in the project.

COMPANY: COMPAQ **COMPUTER** ; HON HAI PRECISION INDUSTRY

EVENT: Capital Expenditure (43); Use of Materials & Supplies (46); **Contracts** & Orders (61);

COUNTRY: China (9CHN);

28/5/12 (Item 4 from file: 583)

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06689161

SNS, Netscape join in e-com venture

SINGAPORE: JOINT SNS AND NETSCAPE ALLIANCE

Computerworld (XCK) 10 Sep 1998 P.4

Language: ENGLISH

A joint alliance has been established between Singapore **Network** Services (SNS) and Netscape, for e-commerce solutions delivery to enterprises in Singapore. The alliance will address SNS' 20,000 **clients** initially, by offering an integrated **supply chain** management system. The system promotes business-to-business Internet e-commerce via the adoption of procurement, warehousing and logistics. Under the **agreement**, SNS will capitalise on Netscape's e-commerce application and services expertise. In addition, SNS will merge Netscape CommerceExpert software into its electronic data interchange (EDI) infrastructure.

32/5/7 (Item 1 from file: 35)
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01808011 ORDER NO: AADAA-I9939849

Real-time resource management for RSVP/ATM edge devices

Author: Barnes, Brian Edward
Degree: Ph.D.
Year: 1999
Corporate Source/Institution: Georgia Institute of Technology (0078)
Director: Henry Owen
Source: VOLUME 60/07-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3442. 200 PAGES
Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL ; **COMPUTER**
SCIENCE
Descriptor Codes: 0544; 0984
ISBN: 0-599-41269-0

The Integrated Services approach of the Internet Engineering Task Force (IETF) is designed to support the integration of voice, data, and other multimedia information within the best-effort delivery mechanisms of the Internet. As the Internet evolves with the introduction of new technologies that provide guaranteed Quality of Service, new protocols come into use which provide for resources to be reserved across the ever-growing hybrid infrastructure. This dissertation considers a unified approach to the four accepted models for channel management of an Ethernet to Asynchronous Transfer Mode (ATM) edge device which supports the Resource ReServation Protocol (RSVP).

This unified approach to virtual circuit management resulted in the development of three techniques: Scalability Enhancement, Bandwidth Recovery, and Congestion Reduction to transition between the four models--Aggregate, Homogeneous, and Limited and Full Heterogeneity. To test the transitioning strategies a prototypical edge device was designed and implemented that consists of a virtual circuit manager subsystem, regulation subsystem, traffic monitoring and policing kernel interface, and packet classification and prioritized queueing management.

The results show that the Scalability Enhancement technique can be used to free up virtual circuit resources by switching from more complex to simpler management models using aggregation. The results also show that Bandwidth Recovery allows existing connections which are not fully using their previously negotiated reserved **resource** allocation to **share** with existing overlimit or new flows. And finally, the results show that when the edge device can no longer **share resources** across the existing set of connections, then the system is brought into a stable (no packet loss) state by policing the appropriate set of worst case flows that are in violation of their negotiated traffic **contracts**.

In the course of the research the applicability of the transitioning techniques to the state-of-the-art in IP multicast over ATM research was considered. This includes extensions to Local Area **Network** Emulation (LANE), Multiprotocol Over ATM (MPOA), Multicast Address Resolution Server (MARS), Multiprotocol Label Switching (MPLS), and Differentiated Services (DiffServ). Additionally, the potential for management of these services across the global internet infrastructure was considered. Finally, the unified model presented in this work was compared and contrasted with recent related research efforts within the IETF as well as at IBM T.J. Watson and within the European Union funded activities.

32/5/8 (Item 2 from file: 35)
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01564216 ORDER NO: AAD97-21488

TRANSFORMING THE PARADIGM FOR CRAFTING ACCEPTABLE USE POLICY: MANAGING THE ELECTRONIC COMMONS

Author: REILLY, ROBERT AUSTIN
Degree: ED.D.
Year: 1997
Corporate Source/Institution: UNIVERSITY OF MASSACHUSETTS (0118)
Director: G. ERNEST ANDERSON
Source: VOLUME 58/02-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 357. 218 PAGES
Descriptors: EDUCATION, ADMINISTRATION ; **COMPUTER** SCIENCE ; EDUCATION,
HIGHER ; EDUCATION, TECHNOLOGY
Descriptor Codes: 0514; 0984; 0745; 0710

There is a need to solidify the common folklore understanding of what acceptable behaviors are for **computer network** users. The process of solidification should provide for the development of a paradigm that will be utilized in the formulation of **computer** use policy. Those who craft **computer** use policy should move away from the model of a **network** as a superhighway to a model of a **network** as a commonly **shared resource**.

The current process for formulating and reviewing an Acceptable Use Policy--an AUP--has generally not evolved as quickly as the rapidly expanding user base and changing demographics. Given the changes in user demographics on **computer networks**, there is a rapidly growing need to better understand the **computer network** and to create AUP's based upon questions of social interaction. Such questions might attempt to address the issues of cooperation and **sharing of resources**. For example, faced with the temptation to behave selfishly--to overuse the resources, how can a group of people (through its AUP) establish and maintain cooperative behavior?

To begin the process of answering such questions, this dissertation suggests focusing on the question: "How do privacy aspects of the First and Fourth Amendments impact the formulation of Acceptable Use Policy for an on-line **computer network**?" This dissertation suggests that privacy is a foundational concept in developing an understanding of the nature of the social activities which are growing in cyberspace. This dissertation also chronicles the transition from informal gentleman's **agreement** AUP's toward more formalized ones.

The research in this dissertation was accomplished by accessing a number of legal resources such as Lexis/Nexis, Westlaw, Web sites on the Internet, a law library, and several Mailing Lists involved in discussions of online legal issues. Other sources, such as government documents, existing and out of date Acceptable Use Policies, and legislative testimony, were reviewed. Personal communication with a number of eminent legal scholars also provided a valuable resource.

This dissertation concludes that an Acceptable Use Policy should be in place to govern use of **computer networks**. The Acceptable Use Policy should become much more of a social **contract** in the manner of many campus faculty and student handbooks, and, even in the manner that the U.S. Constitution is a social **contract** for the U.S. population. AUP's should be locally developed by those who have a foundational understanding of: (1) legal principles of privacy, search and seizure, and due process, and, (2) management theory involving the use of commonly **shared resources**.

32/5/10 (Item 4 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01389171 ORDER NO: AADNN-89477
DYNAMIC SOURCE REGULATION FOR NETWORK ACCESS
Author: BERGERON, CLAUDE
Degree: PH.D.
Year: 1994
Corporate Source/Institution: UNIVERSITY OF WATERLOO (CANADA) (1141)
Adviser: JON W. MARK
Source: VOLUME 55/08-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3475. 258 PAGES

Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL; **COMPUTER SCIENCE**
Descriptor Codes: 0544; 0984
ISBN: 0-315-89477-6

Statistically multiplexing is an efficient transport mechanism for integrated-services **networks** carrying bursty traffic streams. The **network resources** are **shared** dynamically by multiple traffic flows according to quality-of-service requirements. In order to avoid state-dependent service quality, robust control mechanisms must be implemented to supervise the **network** operation. The usual approach is to partition the global control task into smaller control functions with limited scope and/or geographical coverage, and to provide some form of coordination among them.

In this thesis, we perform a detailed analysis of a local control scheme implemented at a **network** access point integrating low-priority and high-priority traffic types. The access point operation is similar in principle to the movable-boundary scheme, and the low-priority traffic sees a server whose capacity varies according to the (possibly) time-correlated characteristics of the high-priority stream. A source regulation mechanism is imbedded on top of this multiplexing scheme in order to maximize the access point throughput while meeting a given constraint on the cell loss rate. The proposed source regulation scheme takes into account the small propagation delays between the user and the **network** interface.

The problem can be formulated as a Markov decision process, and we study various types of controllers, including the optimal controller, the best randomized open-loop controller and several **computationally** -efficient suboptimal controllers based on learning mechanisms. We also investigate several system properties, and it is shown that better system performances can be expected when the high-priority processes exhibit either weak or strong time correlation.

The solution to the optimal controller can be formulated as a linear program, and typically requires a significant amount of **computation**. We study more efficient **computational** methods to solve this problem. We work in the dual domain, where it is shown that the main task for **computing** the optimal controller is equivalent to finding the maximum of a one dimensional piecewise-linear concave function. By using structural properties of Markov decision processes, we are able to derive improved minimization and search algorithms for attaining this maximum. These algorithms are also used to devise suboptimal controllers. Numerical examples are provided to evaluate the merits of the **computational** methods.

Finally, we propose a framework for controlling violating sources which do not respect their **network** -user **contract** negotiated prior to connection establishment, and which may degrade the service quality of well-behaved sources at the access point. The source behaviour is monitored at the access point using a recursive algorithm which makes use of the **network** -user **contract**. Proper control actions are then applied according to the source monitoring. The control approach is imbedded on top of the basic source regulation scheme, and aims at making the violating source stochastically indistinguishable from its non-violating behaviour. The appealing feature of the control scheme is that the violating behaviour of a source can be made completely invisible to the **network** access point under certain conditions.

32/5/13 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
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07432498 INSPEC Abstract Number: C2000-01-7210L-050
Title: Interlibrary cooperation: from ILL to IAIMS and beyond
Author(s): Riordan, M.L.; Perry, G.J.
Author Affiliation: Health Sci. Libr., Arizona Univ., Tucson, AZ, USA
Journal: Bulletin of the Medical Library Association vol.87, no.3
p.251-5

Publisher: Med. Libr. Assoc,
Publication Date: July 1999 Country of Publication: USA
CODEN: BMLAAG ISSN: 0025-7338
SICI: 0025-7338(199907)87:3L:251:ICFI;1-2
Material Identity Number: B768-1999-003
Language: English Document Type: Journal Paper (JP)
Treatment: General, Review (G)

Abstract: A recent solicitation over the MEDLIB-L e-mail discussion list revealed over 30 diverse examples of hospital library-based interlibrary cooperative initiatives currently underway. Many are familiar and have been featured in the professional literature. Most go unreported and unrecognized, however, comprising invisible **resource - sharing** infrastructures that hospital librarians painstakingly piece together in order to provide their **clients** with expanded service options. This paper, drawing from the MEDLIB-L survey as well as from descriptions in the published literature, provides a broad overview of such recent interlibrary cooperative efforts. Examples include interlibrary loan (ILL) **networks**, collective purchasing initiatives, holder-of-record or union catalog access **agreements**, arrangements to provide e-mail and Internet access, and consortia to **share** electronic **resources**. Examples were chosen based on the initiatives' diversity of participants and represent a wide range of locations across the USA. Such initiatives focus on local, state-wide or regional collaboration, and several involve partnerships between academic medical center libraries and regional hospital libraries. An early example of a hospital-based interlibrary cooperative IAIMS (Integrated Advanced Information Management Systems) effort is described, pointing to future possibilities involving the Internet and regional hospital system **intranets**. (5 Refs)

Subfile: C

Descriptors: electronic mail; interlibrary loan; purchasing; research initiatives

Identifiers: interlibrary cooperation; interlibrary loan **networks**; IAIMS; Integrated Advanced Information Management Systems; MEDLIB-L discussion list; electronic mail; hospital library cooperative initiatives; invisible **resource - sharing** infrastructures; expanded service options; collective purchasing initiatives; record holder access **agreements**; union catalog access **agreements**; Internet access; consortia; electronic **resource sharing**; USA; local collaboration; state-wide collaboration; regional collaboration; partnerships; academic medical center libraries; regional hospital libraries; Internet; regional hospital system **intranets**

Class Codes: C7210L (Library automation); C7104 (Office automation)
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32/5/14 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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07102576 INSPEC Abstract Number: B9901-6150J-006, C9901-5670-005

Title: **BEG: a queueing model for resource - sharing in distributed systems**

Author(s): Chen, K.

Author Affiliation: ENST, Paris, France

Conference Title: Conference on Communication Networks and Distributed Systems Modeling and Simulation (CNDS'97) p.25-30

Editor(s): Ni, L.; Znati, T.F.

Publisher: SCS, San Diego, CA, USA

Publication Date: 1997 Country of Publication: USA v+183 pp.

ISBN: 1 56555 108 7 Material Identity Number: XX97-00382

Conference Title: Proceedings of Communication Networks and Distributed Systems Modeling and Simulation Conference

Conference Sponsor: SCS

Conference Date: 12-15 Jan. 1997 Conference Location: Phoenix, AZ, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: This paper proposes and studies a queueing model, referred to as BEG (between exhaustive and gated), whereby service disciplines can be tuned continuously between the exhaustive service discipline and the gated one. This model arises from a distributed queueing mechanism intended to give high priority to time-critical applications for accessing a **shared - resource** (e.g. transmission bandwidth) in a distributed system (e.g. **networks**). A Markov chain model is developed to get the steady-state behavior of the queueing model and a functional equation is obtained in the infinite buffer case, however, the resolution of this equation remains open. The problem is solved in the case of a finite buffer producing a good **agreement** between theoretical values and simulation results and hence showing that the analytical model is a fairly accurate one. (8 Refs)

Subfile: B C

Descriptors: buffer storage; **computer networks** ; Markov processes; queueing theory

Identifiers: queueing model; **resource - sharing** ; distributed systems; between exhaustive and gated queue; service discipline tuning; exhaustive service discipline; gated service discipline; distributed queueing mechanism; time-critical applications; transmission bandwidth; Markov chain model; steady-state queueing behavior; infinite buffer; finite buffer; BEG queue

Class Codes: B6150J (Queueing systems); B0240C (Queueing theory); B0240J (Markov processes); B6210L (Computer communications); C5670 (Network performance); C1140C (Queueing theory); C1140J (Markov processes)

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32/5/15 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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06057713 INSPEC Abstract Number: C9511-5440-015

Title: **Modeling speedup of SPMD applications on the Intel Paragon: a case study**

Author(s): Smirni, E.; Rosti, E.

Author Affiliation: Dept. of Comput. Sci., Vanderbilt Univ., Nashville, TN, USA

Conference Title: High-Performance Computing and Networking. International Conference and Exhibition. Proceedings p.94-101

Editor(s): Hertzberger, B.; Serazzi, G.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1995 Country of Publication: West Germany xxiv+957 pp.

ISBN: 3 540 59393 4

Conference Title: Proceedings of International Conference on High-Performance Computing and Networking. HPCN '95

Conference Date: 3-5 May 1995 Conference Location: Milan, Italy

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Interconnection **networks** with nearly distance independent communication latency are a key feature of recent architectures. However, **shared resources** such as **network** channels can become bottlenecks that degrade performance and limit workload scalability. The problem of **network** contention in medium scale multicomputers is addressed. A queueing **network** model that predicts application speedup on the Paragon is presented. The model has been experimentally validated under the SUNMOS operating system. The experimental and modeling results are in good **agreement** and suggest ways to avoid internal **network** contention of communication intensive applications on the Paragon. (8 Refs)

Subfile: C

Descriptors: distributed memory systems; multiprocessor interconnection **networks** ; operating systems (**computers**); parallel architectures; queueing theory; reconfigurable architectures

Identifiers: SPMD applications; Intel Paragon; speedup modelling; interconnection **networks** ; nearly distance independent communication

latency; architectures; **shared resources** ; **network** channels; bottlenecks; performance degradation; limited workload scalability; **network** contention; medium scale multicomputers; queueing **network** model; application speedup; SUNMOS operating system; communication intensive applications

Class Codes: C5440 (Multiprocessing systems); C5220P (Parallel architecture); C6150N (Distributed systems software); C6150J (Operating systems); C1140C (Queueing theory)

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32/5/16 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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05992636 INSPEC Abstract Number: B9508-6250G-074

Title: Design of an integrated protocol architecture for Micro-VSAT networks

Author(s): Azcorra, A.; Vazquez, E.; Berrocal, J.; de Gaudenzi, R.; Garcia, V.

Author Affiliation: DIT, Univ. Politecnica de Madrid, Spain

Conference Title: Tenth International Conference on Digital Satellite Communications (Conf. Publ. No.403) Part vol.1 p.358-65 vol.1

Publisher: IEE, London, UK

Publication Date: 1994 Country of Publication: UK 2 vol. (xxvi+xx+712) pp.

ISBN: 0 85296 635 0

Conference Title: Proceedings ICDSC-10. 10th International Conference on Digital Satellite Communications (Conf. Publ. No.403)

Conference Date: 15-19 May 1995 Conference Location: Brighton, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: This paper proposes a voice-data integrated digital **network** designed for Micro-VSAT **networks**. The design is the result of a study performed under **contract** for the European Space Agency, in the framework of the development of a portable VSAT **network** based on the advanced access technique Bandlimited Quasi-Synchronous CDMA, operating in Ku-band (referred to as CKN in this paper). The study was intended to complete the specifications of the system, and to provide the basis for the development of a simulator, which was used for further system analysis and optimization. The study aimed to define first the services to be supported, and from them define the **network** in terms of bearer services, specify the mapping of bearer services to the carriers supported by the CKN, and define the protocol architecture and signalling that supports the teleservices over the bearer services. The first generation of the system will implement only a subset of the functions and services considered here. There are a number of issues which are innovative, namely: integration of voice and data applications; integration of circuit and packet switching; integration of connection oriented and connectionless services; out-of-band data during a voice communication; multicast services in both voice and data applications; possibility of **sharing** communication **resources** among several virtual **networks**; direct communication between VSAT **terminals**, without hub relaying; and transparent interconnection to terrestrial data and voice **networks**. (5 Refs)

Subfile: B

Descriptors: code division multiple access; data communication; digital radio; telecommunication services; telecommunication signalling; voice communication; VSAT **networks**

Identifiers: voice-data integrated digital **network** ; Micro-VSAT **networks** ; integrated protocol architecture; European Space Agency; portable VSAT **network** ; bandlimited quasi-synchronous CDMA; Ku-band; system specifications; simulator; system analysis; optimization; bearer services; signalling; teleservices; packet switching; circuit switching; voice communication; multicast services; virtual **networks** ; voice **networks**

Class Codes: B6250G (Satellite relay systems); B6150E (Multiple access communication); B6150M (Protocols); B6210 (Telecommunication applications)
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32/5/17 (Item 6 from file: 2)
DIALOG(R)File 2:INSPEC
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05303186 INSPEC Abstract Number: C9301-7210L-034
Title: Resource sharing **across the border**
Author(s): Wallace, D.
Author Affiliation: Utlas Int., Toronto, Ont., Canada
Conference Title: Library Computing in Canada: Bilingualism, Multiculturalism and Transborder Connections p.73-80
Editor(s): Nelson, N.M.; Flower, E.
Publisher: Meckler, Westport, CT, USA
Publication Date: 1991 **Country of Publication:** USA viii+110 pp.
ISBN: 0 88736 792 5
Conference Date: 23-25 Sept. 1990 **Conference Location:** Toronto, Ont., Canada
Language: English **Document Type:** Conference Paper (PA)
Treatment: Applications (A); General, Review (G)
Abstract: With the **agreement** between Utlas International and OCLC Online **Computer** Library Center, a whole new **network** for interlibrary loan between two of the largest bibliographic databases has been established. The author discusses their **resource sharing** services. (0 Refs)
Subfile: C
Descriptors: bibliographic systems; information dissemination; library automation
Identifiers: Canada; Utlas International; OCLC; Online **Computer** Library Center; **network** ; interlibrary loan; bibliographic databases; **resource sharing**
Class Codes: C7210L (Library automation); C7250C (Bibliographic systems)

32/5/18 (Item 7 from file: 2)
DIALOG(R)File 2:INSPEC
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04529416 INSPEC Abstract Number: C90007419
Title: Distributing the load
Author(s): Mitchell, P.
Journal: Computer Systems Europe vol.9, no.11 p.35-8
Publication Date: Nov. 1989 **Country of Publication:** UK
CODEN: CSYEEE
Language: English **Document Type:** Journal Paper (JP)
Treatment: Practical (P)
Abstract: The '**client** -server model' of systems has become popular recently, mainly as a method of centralising **shared resources** such as databases, while localising some of the processing and graphics resources. This has become the main commercial implementation of the notion of distributed **computing** on open systems, and has been made possible by the general **agreement** on SQL for handling database transactions. Next on the agenda must be the establishment of a common method for remote procedure calls, (RPCs) in which a program can invoke processes running not just on its 'own' CPU but on another machine in the **network**. Clearly this allows much closer cooperative processing between machines, and need not be associated with a well-defined **client** -server relation. (0 Refs)
Subfile: C
Descriptors: **computer networks** ; distributed processing
Identifiers: distributed **computing** ; open systems; common method; remote procedure calls; cooperative processing
Class Codes: C5620 (Computer networks and techniques)

32/5/19 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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04399338 INSPEC Abstract Number: B89044456, C89039920

Title: Library networks

Author(s): Kent, A.

Author Affiliation: Pittsburgh Univ., PA, USA

Conference Title: Bibliographic Databases and Networks. Papers Presented at the International Conference p.3/19-29

Editor(s): Murthy, S.S.; Ravi, A.; Moorthy, A.L.

Publisher: Tata McGraw-Hill, New Delhi, India

Publication Date: 1989 Country of Publication: India vii+240 pp.

Conference Sponsor: Aeronaut. Res. & Dev. Board; Bharat Heavy Electr.; Gov. India et al

Conference Date: 22-25 Feb. 1989 Conference Location: New Delhi, India

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: **Resource sharing** is the focal point of library **networking** and cooperation. The tested technological advances in this field have tremendously increased the ability of retrieving and accessing of information over long distances. The paper discusses various issues involved, including behavioral issues, in planning for a **resource sharing library network** and its implications on acquisition, cataloging and circulation programs of the participant libraries of the **network**. The paper also suggests solutions to some of the problems that arise due to **resource sharing**. The **agreements** between libraries for achieving **resource sharing** and various constraints under which these **networks** must operate are also enumerated. (2 Refs)

Subfile: B C

Descriptors: bibliographic systems; **computer networks**; library automation

Identifiers: library cooperation; information retrieval; information access; library **networking**; behavioral issues; planning; **resource sharing library network**; acquisition; cataloging; circulation programs

Class Codes: B6210L (Computer communications); C7210L (Library automation); C7250C (Bibliographic systems); C5620 (Computer networks and techniques)

32/5/22 (Item 2 from file: 6)

DIALOG(R)File 6:NTIS

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2161581 NTIS Accession Number: ADA374857/XAB

SCOPE - Scalable Computing Infrastructure Tera- node Network Technology (Task 2)

(Final rept. 16 Jul 1995-17 Jul 1999)

Neuman, B. C.; Gullapalli, S.; Rao, S.

University of Southern California, Marina del Rey. Information Sciences Inst.

Corp. Source Codes: 045598002; 407952

14 Mar 2000 17p

Languages: English

Journal Announcement: USGRDR0014

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NTIS Prices: PC A03/MF A01

Country of Publication: United States

Contract No.: DABT63-95-C-0095

The Scalable **Computing Infrastructure** project at the Information

Sciences Institute of the University of Southern California investigated, developed, and deployed distributed systems software and services that enable the **sharing** of heterogeneous **computing resources**, within and across organizations, on an Internet wide basis. These services enable cooperating organizations to establish **agreements** for helping one another in replacing **computing** capacity that is unavailable due to failure. It also enables individual users and organizations to purchase **computing** cycles from service providers to handle infrequent excess demand of applications when the frequency of such excess demands does not justify investment in permanent capacity. Software for SCOPE is was layered on top of, and includes extensions to, the Prospero Resource Manager (PRM). PRM was integrated with authentication and payment products and resource discovery services developed as part of related ISI projects.

Descriptors: *Distributed data processing; * **Network** architecture; * **Network** topology; Parallel processing; Resource management; Man **computer** interface; Message processing; Internet
Identifiers: NTISDODXA
Section Headings: 62GE (Computers, Control, and Information Theory--General)

32/5/35 (Item 15 from file: 6)

DIALOG(R)File 6:NTIS

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0629808 NTIS Accession Number: UCRL-78282(REV.1)/XAB

Controlling Transactions Between Distributed Computer Resources

Donnelley, J. E.

California Univ., Livermore. Lawrence Livermore Lab.

Corp. Source Codes: 9500007

Sponsor: Energy Research and Development Administration.

Report No.: CONF-761024-2

4 Jun 76 9p

Document Type: Conference proceeding

Journal Announcement: GRAI7714; NSA0200

Conference on computing systems, Austin, Texas, United States of America (USA), 18 Oct 1976.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A02/MF A01

Contract No.: W-7405-ENG-48

Computer resources available today could be applied cost-effectively to the solution of many information processing problems if convenient access to the resources could be supplied. One way to improve resource access significantly is to automate the tedious manual procedures currently required to access distributed resources. Toward this end, the Data Management Research Group at the Lawrence Livermore Laboratory is under **contract** to develop a prototype Transaction Controller system to provide analysts with direct access to distributed **computer** resources by making external resources internally available in a unified manner. The Transaction Controller differs from other systems with similar objectives in that its capability-list operating system kernel supports an extendable set of uniformly processed internal objects and an enforced separation of internal responsibility which can be extended readily to distributed resources. The type-independent **resource sharing** mechanism built upon these facilities allows most of the Transaction Controller software to concentrate on the difficult task of translating external resources which are physically different but semantically similar into identical internal resources. 4 figures. (ERA citation 02:023879)

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)

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File 350:Derwent WPIX 1963-2006/UD=200644

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Set	Items	Description
S1	2239147	AGREEMENT? ? OR CONTACT? ? OR COVENANT? ? OR TREATY OR TREATIES OR ACCORD? ? OR PACT? ? OR DEAL? ? OR ARRANGEMENT? ?
S2	144261	S1(5N)(CHAIN??? OR STRING? ? OR SERIES OR NETWORK? ? OR LINK???? OR INTERLINK??? OR CONNECT??? OR INTERCONNECT???)
S3	39408	(SECOND? OR 2ND OR THIRD OR 3RD OR ANOTHER OR OTHER OR DIFFERENT)(2W)(PARTY OR PARTIES OR ENTITY OR ENTITIES OR PERSON? ? OR INDIVIDUAL? ? OR USER? ? OR VENDOR? ? OR PARTNER? ? OR SUPPLIER? ? OR COMPAN??? OR ORGANIZATION? ?)
S4	1952	(SECOND? OR 2ND OR THIRD OR 3RD OR ANOTHER OR OTHER OR DIFFERENT)(2W)(ORGANISATION? ? OR PROVIDER? ? OR BUSINESS?? OR RETAILER? ? OR WHOLESALE? ? OR DEALER? ? OR MERCHANT? ? OR CONTRACTOR? ?)
S5	20398	(MULTIPLE OR MULTIPLICITY OR SEVERAL OR MORE OR MANY OR PLURAL? OR DUAL? OR VARIOUS OR TWO OR THREE OR PAIR? ?)(2W)(PARTY OR PARTIES OR ENTITY OR ENTITIES OR PERSON? ? OR INDIVIDUAL? ? OR VENDOR? ? OR PARTNER? ? OR SUPPLIER? ? OR COMPAN??? OR ORGANIZATION)
S6	17149	(MULTIPLE OR MULTIPLICITY OR SEVERAL OR MORE OR MANY OR PLURAL? OR DUAL? OR VARIOUS OR TWO OR THREE OR PAIR? ?)(2W)(ORGANISATION? ? OR PROVIDER? ? OR BUSINESS?? OR RETAILER? ? OR WHOLESALE? ? OR DEALER? ? OR MERCHANT? ? OR CONTRACTOR? ? OR USER? ?)
S7	2197088	COMPUT? OR PC? ? OR TERMINAL? ? OR WORKSTATION? ? OR WORK(-)STATION? ? OR NODE? ? OR CLIENT? ?
S8	473416	NETWORK??? OR LAN OR WAN OR INTRANET? ? OR EXTRANET? ?
S9	598	S2 AND S3:S6
S10	105	S9 AND S7 AND S8
S11	35	S10 AND AC=US/PR AND AY=(1963:2000)/PR
S12	52	S10 AND AC=US AND AY=1963:2000
S13	52	S10 AND AC=US AND AY=(1963:2000)/PR
S14	39	S10 AND PY=1963:2000
S15	60	S11:S14
S16	60	IDPAT (sorted in duplicate/non-duplicate order)
S17	743398	AGREEMENT? ? OR CONTRACT? ? OR COVENANT? ? OR TREATY OR TREATIES OR ACCORD? ? OR PACT? ? OR DEAL? ? OR ARRANGEMENT? ?
S18	30919	S17(5N)(CHAIN??? OR STRING? ? OR SERIES OR NETWORK? ? OR LINK???? OR INTERLINK??? OR CONNECT??? OR INTERCONNECT???)
S19	291	S18 AND S3:S6
S20	96	S19 AND S7 AND S8
S21	30	S20 AND AC=US/PR AND AY=(1963:2000)/PR
S22	46	S20 AND AC=US AND AY=1963:2000
S23	46	S20 AND AC=US AND AY=(1963:2000)/PR
S24	34	S20 AND PY=1963:2000
S25	52	S21:S24
S26	52	IDPAT (sorted in duplicate/non-duplicate order)
S27	194	S19 AND S7:S8
S28	98	S27 NOT S20
S29	1	PN=US 20020087534
S30	20	S28 AND AC=US/PR AND AY=(1963:2000)/PR
S31	34	S28 AND AC=US AND AY=1963:2000
S32	34	S28 AND AC=US AND AY=(1963:2000)/PR
S33	48	S28 AND PY=1963:2000
S34	54	S30:S33
S35	54	IDPAT (sorted in duplicate/non-duplicate order)
S36	1708	(CONTRACT? ? OR AGREEMENT? ?)(5N)(CHAIN??? OR STRING? ? OR SERIES OR NETWORK? ? OR LINK???? OR INTERLINK??? OR CONNECT??? OR INTERCONNECT???)
S37	72	S36 AND S3:S6
S38	7	S37 NOT (S20 OR S28)

26/5/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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017153561 **Image available**
WPI ACC No: 2005-477906/200548
XRAM ACC No: C05-145567
XRPX ACC No: N05-389038

Determination of trading parties for real-time trading of options contracts over network by selecting two firms that wish to trade with each other, matching the firms, and permitting and forbidding trade between the firms

Patent Assignee: OPTIONABLE INC (OPTI-N)

Inventor: BOIM D; FEDER H A; NORDLICHT M A; ZUCKER Y A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20050137964	A1	20050623	US 2000653102	A	20000831	200548 B
			US 200560455	A	20050217	

Priority Applications (No Type Date): US 2000653102 A 20000831; US 200560455 A 20050217

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20050137964	A1	19	G06F-017/60	Div ex application	US 2000653102

Abstract (Basic): US 20050137964 A1

NOVELTY - Trading parties for real-time trading of options **contracts** over a **network** are determined by selecting two firms that wish to trade with each other; matching the two firms by determining if they selected each other and if their respective underlying are the same; permitting a trade between the two firms only if the firms match; and forbidding the trade between firms if they don't match.

DETAILED DESCRIPTION - Determination of trading parties for real-time trading of options **contracts** over a **network** involves:

(A) selecting a second firm by a first firm that wishes to trade with the second firm;

(B) choosing, by the first firm, an underlying the second firm can trade with the first firm;

(C) selecting the first firm by the second firm that wishes to trade with the first firm;

(D) choosing, by the second firm, another underlying the first firm can trade with the second firm;

(E) matching the first firm with the second firm by determining if the first firm selected the second firm, if the second firm selected the first firm, and if the underlying and the other underlying are the same underlying;

(F) permitting a trade between the two firms only if the first firm matches with the second firm; and

(G) forbidding the trade between two firms if the first firm is not matched with the second firm.

The first firm is a first counter party to the second firm and the second firm is a **second** counter **party** to the first firm.

USE - For determining trading parties for real-time trading of options **contracts** over a **network** (claimed).

ADVANTAGE - The method provides for a real-time trading of options **contracts** between traders over a **computer network**, which provides human market participants with the feel of an exchange floor with the convenience of **computerized** organization.

DESCRIPTION OF DRAWING(S) - The figure is an overview block diagram of the system for real-time options trading over a **computer network**

pp; 19 DwgNo 1/8

Title Terms: DETERMINE; TRADE; PARTY; REAL; TIME; TRADE; OPTION; CONTRACT;

NETWORK ; SELECT; TWO; TRADE; MATCH; PERMIT; FORBID; TRADE
Derwent Class: H01; T01
International Patent Class (Main): G06F-017/60
File Segment: CPI; EPI

26/5/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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017099017 **Image available**
WPI Acc No: 2005-423355/200543
XRPX Acc No: N05-343470

Contract certifying method for use in e.g. Internet, involves certifying that terms of one contract are consistent with terms of another contract, where portion of terms of contracts are obfuscated

Patent Assignee: XEROX CORP (XERO)
Inventor: DURFEE G; FRANKLIN M K
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6898579	B1	20050524	US 2000544708	A	20000406	200543 B

Priority Applications (No Type Date): US 2000544708 A 20000406
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6898579	B1	14	G06F-017/60		

Abstract (Basic): US 6898579 B1

NOVELTY - The method involves receiving two contracts, each including a set of terms that utilize a **network**, and certifying that the terms of one contract are consistent with the terms of another contract, where a portion of the terms of the contracts are obfuscated. A proof that the terms of the contracts are consistent is received, where the certification is based on the proof.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(A) a **computer** program embodied on a **computer** readable medium for certifying **contracts** utilizing a **network**

(B) a system for certifying **contracts** utilizing a **network**.

USE - Used in a **network** e.g. Internet, for certifying a contract.

ADVANTAGE - The method certifies that the terms of one contract are consistent with the terms of another **contract**, thus providing distribution **chain** integrity and distribution chain privacy.

DESCRIPTION OF DRAWING(S) - The drawing shows **various parties** involved in an implementation of a method for certifying contracts.

Old obfuscated contract (600)

Contract certifier (602)

Certifying signatures (604, 610)

New obfuscated contract (606)

Proof of faithfulness (608)

pp; 14 DwgNo 6/6

Title Terms: CONTRACT; CERTIFY; METHOD; CERTIFY; TERM; ONE; CONTRACT;
CONSISTENT; TERM; CONTRACT; PORTION; TERM; CONTRACT

Derwent Class: T01; W01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): H04K-001/00; H04L-009/00

File Segment: EPI

26/5/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016145061 **Image available**

WPI Acc No: 2004-302937/200428

XRPX Acc No: N04-241063

Management information transfer system for servicing of terminals in enterprise digital data processing network , allows transfer of management information after filtering in accordance with filtering policies

Patent Assignee: EMC CORP (EMCE-N)

Inventor: BLUMENAU S M; OFER E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6711612	B1	20040323	US 98216174	A	19981218	200428 B

Priority Applications (No Type Date): US 98216174 A 19981218

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6711612	B1	6	G06F-015/173	

Abstract (Basic): US 6711612 B1

NOVELTY - The management server (14) transfers the received management information filtered in accordance with predetermined filtering policies established by the **network** administrator to the management service center (16) by enabling a mass storage subsystem (11) through a switching fabric (15). The management service center takes corrective action.

USE - For facilitating transfer of management information related to failures or other malfunctions and problems of **network** components e.g. switching fabric, host **computer** , etc., from switching **nodes** to service centers especially for enterprise digital data processing **network** system installed in office, **other companies** .

ADVANTAGE - Facilitates to perform possible correction of failure or other malfunction by the management service center by using simple technique.

DESCRIPTION OF DRAWING(S) - The figure shows the functional block diagram of a **network** including an **arrangement** for reporting management information to a central location.

network (10)
mass storage system (11)
management server (14)
switching fabric (15)
management service center (16)
pp; 6 DwgNo 1/1

Title Terms: MANAGEMENT; INFORMATION; TRANSFER; SYSTEM; SERVICE; **TERMINAL** ; DIGITAL; DATA; PROCESS; **NETWORK** ; ALLOW; TRANSFER; MANAGEMENT; INFORMATION; AFTER; FILTER; ACCORD; FILTER

Derwent Class: W01

International Patent Class (Main): G06F-015/173

International Patent Class (Additional): G06F-015/16

File Segment: EPI

26/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014697846 **Image available**

WPI Acc No: 2002-518550/200255

XRPX Acc No: N02-410436

Digital document in Internet, has digital signatures along with field descriptors indicating legal statuses of contracting parties and their contractual rights for carrying out transactions or conclusion of contracts

Patent Assignee: GENGHINI STUDIO NOTARILE GENGHI RICCARDO (GENG-N);

KOHNTOPP M (KOHN-I); PFITZMANN A (PFIT-I); GENNINI R (GENN-I); KERNTOP M (KERN-I); PFITZMAN A (PFIT-I); GENGHINI R (GENG-I)

Inventor: GENGHINI R; KOHNTOPP M; PFITZMANN A
Number of Countries: 028 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020062322	A1	20020523	US 200110878	A	20011108	200255	B
JP 2002170058	A	20020614	JP 2001354716	A	20011120	200255	
EP 1209579	A1	20020529	EP 2000125489	A	20001121	200255	

Priority Applications (No Type Date): EP 2000125489 A 20001121

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020062322	A1		14	G06F-015/00	
JP 2002170058	A		16	G06F-017/60	
EP 1209579	A1	G		G06F-017/21	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): US 20020062322 A1

NOVELTY - The document (D) has standardized field descriptors indicating legal statuses of the contracting parties (A,B), their contractual rights and duties and payment methods. The document has digital signatures (S) based on which automated carrying out of transactions or conclusion of contracts is made possible.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Data processing device; and
(2) **Computer** software for automated transactions or conclusions of contracts between contracting parties.

USE - For carrying out transactions or concluding of **contracts** in communication **network** e.g. Internet.

ADVANTAGE - Enables carrying out transactions in an efficient, flexible and secure manner with the help of signed references.

DESCRIPTION OF DRAWING(S) - The figure explains carrying out of transactions between **two** contracting **parties** through Internet.

Contracting parties (A,B)

Document (D)

Digital signatures (S)

pp; 14 DwgNo 1/4

Title Terms: DIGITAL; DOCUMENT; DIGITAL; SIGNATURE; FIELD; DESCRIBE;

INDICATE; LEGAL; CONTRACT; PARTY; CARRY; TRANSACTION; CONCLUDE; CONTRACT

Derwent Class: T01

International Patent Class (Main): G06F-015/00; G06F-017/21; G06F-017/60

International Patent Class (Additional): H04L-009/32

File Segment: EPI

26/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014649429 **Image available**

WPI Acc No: 2002-470133/200250

Related WPI Acc No: 1999-044977; 2000-421390; 2002-546811; 2004-793979

XRPX Acc No: N02-371074

Multi-user teleconferencing method involves selecting data object from common set of data objects and transmitting control signal to other user sites

Patent Assignee: GLOBAL TECHNOLOGIES INC (GLOB-N)

Inventor: DANZIG S; DELANEY T A; MIODOWNIK S; RANIERE K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6373936	B1	20020416	US 95390396	A	19950216	200250	B
			US 98203110	A	19981130		
			US 2000567854	A	20000509		

Priority Applications (No Type Date): US 95390396 A 19950216; US 98203110 A 19981130; US 2000567854 A 20000509

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6373936	B1		24	H04M-003/56	Cont of application US 95390396 Cont of application US 98203110 Cont of patent US 5844979 Cont of patent US 6061440

Abstract (Basic): US 6373936 B1

NOVELTY - The common set of data objects are stored prior to conference in digital **computers** at respective user sites, connected through wide area **network**. An individual user site selects a data object from the common set of data objects and transmits a control signal to the **other user** sites, based on which selected data object is displayed in monitor.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for conferencing **terminal**.

USE - For teleconferencing.

ADVANTAGE - Allows **multiple users** to conduct voice conference while simultaneously viewing shared data objects like graphs, slides, text, or **other** data objects. **User** sites can record audible conferencing and voice communication signals for playing back at a subsequent time along with display of the data objects.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the **network arrangement** of teleconferencing system.

pp; 24 DwgNo 14/14

Title Terms: MULTI; USER; TELECONFERENCE; METHOD; SELECT; DATA; OBJECT; COMMON; SET; DATA; OBJECT; TRANSMIT; CONTROL; SIGNAL; USER; SITE

Derwent Class: T01; W01; W02

International Patent Class (Main): H04M-003/56

International Patent Class (Additional): H04M-003/523; H04N-007/15

File Segment: EPI

26/5/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014573577 **Image available**

WPI ACC No: 2002-394281/200242

XRPX ACC No: N02-309131

Electronic deal mediating method and electronic deal mediating system for online transactions

Patent Assignee: TOSHIBA KK (TOKE); AISU H (AISU-I)

Inventor: AISU H

Number of Countries: 023 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200227575	A1	20020404	WO 2000JP6574	A	20000925	200242 B
US 20030158824	A1	20030821	WO 2000JP6574	A	20000925	200356
			US 2003395079	A	20030325	
CN 1454362	A	20031105	CN 2000819913	A	20000925	200408
			WO 2000JP6574	A	20000925	
JP 2002531286	X	20040205	WO 2000JP6574	A	20000925	200412
			JP 2002531286	A	20000925	

Priority Applications (No Type Date): WO 2000JP6574 A 20000925

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200227575	A1	J	47	G06F-017/60	
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Designated States (National): CN JP KR SG US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

US 20030158824 A1 G06F-017/60 Cont of application WO 2000JP6574
CN 1454362 A G06F-017/60
JP 2002531286 X G06F-017/60 Based on patent WO 200227575

Abstract (Basic): WO 200227575 A1

NOVELTY - Deal desired conditions composed of items are collected from the **terminals** of users through a **network**, and deal candidates satisfying items among the deal desired conditions of the users are generated by combining the deal desired conditions. The deal candidates are presented to the **terminals** of users being the deal parties who make the deal desired conditions concerning the deal candidates.

DETAILED DESCRIPTION - When a specific one of the deal candidates is approved by the **terminals** of all the users being the deal parties concerning the deal candidates, and when the approved deal candidate is actually dealt, the message to the effect that the deal is made is sent to the **terminals** of all the users being the deal parties concerning the deal actually made. Thus, mediation of complex deal among **three or more parties** is realized.

USE - Electronic deal mediating method and electronic deal mediating system for online transactions

pp; 47 DwgNo 1/14

Title Terms: ELECTRONIC; DEAL; METHOD; ELECTRONIC; DEAL; SYSTEM; TRANSACTION

Derwent Class: T01; T05

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06F-017/00

File Segment: EPI

26/5/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corp. All rts. reserv.

014562592 **Image available**

WPI Acc No: 2002-383295/200241

XRPX Acc No: N02-300029

Settlement providing system of interconnections of packet-switched networks for determining agreements among multiple network service providers that specifies traffic exchange rate information

Patent Assignee: MCI WORLDCOM INC (MCIW-N); MCI INC (MCIM-N)

Inventor: HUDDLE S R

Number of Countries: 098 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200227599	A1	20020404	WO 2001us29539	A	20010921	200241	B
AU 200192900	A	20020408	AU 200192900	A	20010921	200252	
EP 1325450	A1	20030709	EP 2001973307	A	20010921	200345	
			WO 2001us29539	A	20010921		
BR 200114206	A	20031209	BR 200114206	A	20010921	200404	
			WO 2001us29539	A	20010921		
JP 2004510260	W	20040402	WO 2001us29539	A	20010921	200424	
			JP 2002531304	A	20010921		
CN 1476573	A	20040218	CN 2001819419	A	20010921	200430	
MX 2003002562	A1	20030901	WO 2001us29539	A	20010921	200465	
			MX 20032562	A	20030325		
US 6950407	B1	20050927	US 2000670365	A	20000926	200563	

Priority Applications (No Type Date): US 2000670365 A 20000926

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200227599 A1 E 55 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ

PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
 IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
 AU 200192900 A G06F-017/60 Based on patent WO 200227599
 EP 1325450 A1 E G06F-017/60 Based on patent WO 200227599
 Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
 LI LT LU LV MC MK NL PT RO SE SI TR
 BR 200114206 A G06F-017/60 Based on patent WO 200227599
 JP 2004510260 W 81 G06F-017/60 Based on patent WO 200227599
 CN 1476573 A G06F-017/60
 MX 2003002562 A1 G06F-017/60 Based on patent WO 200227599
 US 6950407 B1 H04L-012/28

Abstract (Basic): WO 200227599 A1

NOVELTY - A settlement system (301) maintains communications with Internet service providers via a switch (303), that provides a portal to permit any provider to access using the web server (311). The system can facilitate maintaining of a quality of service on the Internet and includes a traffic monitor (307) for measuring source traffic statistics for storage in a database (309) together with the settlement agreement.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a method for providing a settlement of traffic exchange data associated with plural **networks**, for a communication system and for a **computer** readable medium with instructions.

USE - Providing settlement of traffic exchange information.

ADVANTAGE - Allowing expansion of **networks** with reduced **network** costs.

DESCRIPTION OF DRAWING(S) - The drawing shows the system

System (301)

Switch (303)

Web server (311)

Traffic monitor (307)

Database (309)

pp; 55 DwgNo 3/8

Title Terms: SETTLE; SYSTEM; INTERCONNECT; PACKET; SWITCH; **NETWORK** ;
 DETERMINE; MULTIPLE; **NETWORK** ; SERVICE; SPECIFIED; TRAFFIC; EXCHANGE;
 RATE; INFORMATION

Derwent Class: T01

International Patent Class (Main): G06F-017/60; H04L-012/28

International Patent Class (Additional): H04L-012/66

File Segment: EPI

26/5/13 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014449592 **Image available**

WPI Acc No: 2002-270295/200232

XRPX Acc No: N02-210320

Broker device has database for storing offer information of various providers calling over speech communications network for speech-controlled enquiry by interested parties over network

Patent Assignee: SIEMENS AG (SIEI); HAEHLE J (HAEH-I)

Inventor: HAEHLE J

Number of Countries: 027 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10023359	A1	20011122	DE 1023359	A	20000512	200232 B
EP 1160700	A2	20011205	EP 2001105593	A	20010306	200232
US 20020046150	A1	20020418	US 2001853243	A	20010511	200233

Priority Applications (No Type Date): DE 1023359 A 20000512

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
 DE 10023359 A1 9 H04M-011/06
 EP 1160700 A2 G G06F-017/60
 Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
 LI LT LU LV MC MK NL PT RO SE SI TR
 US 20020046150 A1 G06F-017/60

Abstract (Basic): DE 10023359 A1

NOVELTY - The device (ME) has an arrangement for speech-controlled reception of offer information from providers, a database (DB) for storing offer information (AT) of **various providers** calling over a speech communications **network** (SKN), an **arrangement** for speech-controlled enquiry re stored offer information by interested parties calling over the **network** and an output **arrangement** for outputting the accessed information to the calling interested parties..

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: a broker system with several broker devices.

USE - For receiving and outputting offer information over a speech communications **network**.

ADVANTAGE - Enables offers to be received from **various providers** and looked up by **various interested parties**.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic representation of a broker device connected to a speech communications **network**

broker device (ME)
 database (DB)
 offer information (AT)
 speech communications **network** (SKN)
 mobile **terminal** (MEG)
 pp; 9 DwgNo 1/4

Title Terms: DEVICE; DATABASE; STORAGE; OFFER; INFORMATION; VARIOUS; CALL; SPEECH; COMMUNICATE; **NETWORK**; SPEECH; CONTROL; ENQUIRY; PARTY; **NETWORK**

Derwent Class: P86; T01; W01

International Patent Class (Main): G06F-017/60; H04M-011/06

International Patent Class (Additional): G10L-015/22

File Segment: EPI; EngPI

26/5/18 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014045576 **Image available**

WPI Acc No: 2001-529789/200158

XRPX Acc No: N01-393225

Transportation contract negotiation system for Internet applications, accesses and reviews database and submits their bids for transportation lanes through computer network

Patent Assignee: DIGITAL FREIGHT EXCHANGE INC (DIGI-N); MANUGISTICS INC (MANU-N); BLALOCK P C (BLAL-I); CRAFT M R (CRAF-I); JACKSON R H (JACK-I); KESSINGER B L (KESS-I); KINKEAD T W (KINK-I)

Inventor: BLALOCK P C; CRAFT M R; JACKSON R H; KESSINGER B L; KINKEAD T W

Number of Countries: 095 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200157614	A2	20010809	WO 2001US3251	A	20010201	200158 B
AU 200136609	A	20010814	AU 200136609	A	20010201	200173
US 20010047284	A1	20011129	US 2000178919	P	20000201	200202
			US 2001775265	A	20010201	
EP 1320817	A2	20030625	EP 2001908774	A	20010201	200341
			WO 2001US3251	A	20010201	

Priority Applications (No Type Date): US 2000178919 P 20000201; US 2001775265 A 20010201

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
WO 200157614 A2 E 178 G06F-000/00
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200136609 A G06F-000/00 Based on patent WO 200157614
US 20010047284 A1 G06F-017/60 Provisional application US 2000178919

EP 1320817 A2 E G06F-017/60 Based on patent WO 200157614
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): WO 200157614 A2

NOVELTY - The system has a database to store and maintain identification information related to shippers and carriers, data associated with requests for quotations. The carriers access and review the database and submit their bids for transportation lanes through **computer network**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Transportation contracts negotiation method;
- (b) Transportation **contract** negotiation **network** ;
- (c) System for communicating among shippers and carriers

USE - For use in Internet to ship the products by manufacturers, wholesalers and retailers.

ADVANTAGE - Enables reduction of labor, time and costs for both shippers and carriers. More frequent request for quotations (RFQs) can be conducted with less efforts. Shippers can review and analyze submitted bids according to their individual specifications through sorting and filtering techniques. Carriers can increase profitability, optimize assets, better forecast demand and improve their contract accuracy. Carriers can also compare their bids to other bids for better positioning of their bids with an understanding of current market pricing. Provides an efficient market place for shippers, carriers and/or **other third parties** like logistics providers and freight forwarders. Enables dynamic negotiation of single and multi-modal contracts through blind bidding or employing a quasi-reverse auction format. Also shippers can conduct bids on seasonal basis for specific requirement.

DESCRIPTION OF DRAWING(S) - The figure shows flowchart depicting general operation of the system from the perspective of a shipper.

pp; 178 DwgNo 1/36

Title Terms: TRANSPORT; CONTRACT; NEGOTIATE; SYSTEM; APPLY; ACCESS; DATABASE; SUBMIT; BID; TRANSPORT; LANE; THROUGH; **COMPUTER** ; **NETWORK**

Derwent Class: T01

International Patent Class (Main): G06F-000/00; G06F-017/60

File Segment: EPI

26/5/22 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013638486 **Image available**

WPI Acc No: 2001-122694/ 200113

XRPX Acc No: N01-090134

Agreement **facilitating method for parties over network , involves retrieving set of resolution from database, based on combined position data presented by party and sending it to party**

Patent Assignee: SPEEDSOLVE.COM (SPEE-N); THOUGHTBRIDGE (THOU-N)

Inventor: COLLINS E; PRICE A

Number of Countries: 087 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200067426	A2	20001109	WO 2000US11701	A	20000428	200113 B
AU 200046841	A	20001117	AU 200046841	A	20000428	200116
US 20020007362	A1	20020117	US 99131690	P	19990430	200212
			US 99141182	P	19990625	
			US 99148605	P	19990812	
			US 2000561043	A	20000428	

Priority Applications (No Type Date): US 99148605 P 19990812; US 99131690 P 19990430; US 99141182 P 19990625; US 2000561043 A 20000428

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200067426	A2	E	59	H04L-012/00	
Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW					
AU 200046841	A			H04L-012/00	Based on patent WO 200067426
US 20020007362	A1			G06F-007/00	Provisional application US 99131690

Provisional application US 99141182
Provisional application US 99148605

Abstract (Basic): WO 200067426 A2

NOVELTY - The position data received from each of parties, through **network** is stored. A set of resolution having a member, is retrieved from database. The retrieved resolution set based on the combined position data provided by the party, is transmitted to each of the party.

DETAILED DESCRIPTION - The statistical data concerning acceptable resolution previously agreed by **other party**, is included in the resolution set. INDEPENDENT CLAIMS are also included for the following:

- (a) **computer** program product;
- (b) system for negotiating situation among parties

USE - For facilitating **agreement** pertaining to a situation over **network** among **several parties**.

ADVANTAGE - Allows each party to make suggestion for improvement to the total agreement by engaging in inter-issue bargaining. The parties are allowed to alter the resolution sequence. Each party is given a relative importance for each issue, thereby specifying satisfaction levels corresponding to preferences associated with various possible resolution to the solution. Alternative dispute mechanism is selected, thus provided resultant communication between parties in either a mediator or arbitrator.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram showing exemplary system for facilitating **agreement** over **network**.
pp; 59 DwgNo 1a/14

Title Terms: AGREE; FACILITATE; METHOD; PARTY; **NETWORK**; RETRIEVAL; SET; RESOLUTION; DATABASE; BASED; COMBINATION; POSITION; DATA; PRESENT; PARTY; SEND; PARTY

Derwent Class: T01; W01

International Patent Class (Main): G06F-007/00; H04L-012/00

File Segment: EPI

26/5/23 (Item 23 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013610127 **Image available**

WPI ACC No: 2001-094335/ 200111

XRFX ACC No: N01-201124

Service providing method in GSM system, involves allowing terminal device to use telecommunication services of visited network, based on confirmation given by the third party

Patent Assignee: NOKIA NETWORKS OY (OYNO); SMOLANDER J (SMOL-I); TIMONEN J T (TIMO-I); NOKIA CORP (OYNO)

Inventor: SMOLANDER J; TIMONEN J; TIMONEN J T

Number of Countries: 092 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FI 9901105	A	20001115	FI 991105	A	19990514	200111 B
WO 200070798	A1	20001123	WO 2000FI429	A	20000512	200130
AU 200044097	A	20001205	AU 200044097	A	20000512	200113
US 20020058494	A1	20020516	WO 2000FI429	A	20000512	200237
			US 2001987483	A	20011114	
US 6741848	B2	20040525	WO 2000FI429	A	20000512	200435
			US 2001987483	A	20011114	

Priority Applications (No Type Date): FI 991105 A 19990514

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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FI 9901105	A			H04Q-007/38	
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WO 200070798	A1	E	39	H04Q-007/38	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200044097	A			G06F-017/60	Based on patent WO 200070798
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US 20020058494	A1			H04M-011/00	Cont of application WO 2000FI429
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US 6741848	B2			H04M-011/00	Cont of application WO 2000FI429
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Abstract (Basic): WO 200070798 A1

NOVELTY - A connection from visited **network** to a **third party** is established, when primary identifier of **terminal** device is not accepted by visited **network**. The secondary identifier of device is sent to **third party** and when it is accepted, confirmation given by **third party** is replied to visited **network**. The device is allowed to use telecommunication services of visited **network**, based on confirmation of **third party**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) telecommunication system;

(b) **network** element of telecommunication system

USE - For providing services in mobile communication systems e.g. GSM system, especially in the situation where the home **network** providing subscriber identity module card connected to mobile station has no valid roaming **agreement** with the visited **network** and also for third generation mobile communication systems and other **terminal** devices e.g. telephone boxes or a **computer** with functions required by mobile station.

ADVANTAGE - Enables more flexible use of telecommunication services without an agreement made in advance and facilitates payment for used telecommunication services by current payment technique related to **third party**. Enables visited **network** to restricts users having no rights of closing telecommunication services, by setting specific time when offering of services to allowed, thus risk of misuse of services can be minimized, reliably.

DESCRIPTION OF DRAWING(S) - The figure shows simplified view of mobile communication system.

pp; 39 DwgNo 1/4

Title Terms: SERVICE; METHOD; SYSTEM; ALLOW; **TERMINAL** ; DEVICE; TELECOMMUNICATION; SERVICE; **NETWORK** ; BASED; CONFIRM; THIRD; PARTY

Derwent Class: T01; T05; W01; W02
 International Patent Class (Main): G06F-017/60; H04M-011/00; H04Q-007/38
 International Patent Class (Additional): G07F-019/00; H04M-001/16;
 H04M-001/68; H04M-003/16; H04M-003/42
 File Segment: EPI

26/5/24 (Item 24 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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013377256 **Image available**
 WPI ACC No: 2000-549194/ 200050
 XRPX ACC No: N00-406285

Protocol interconnecting arrangement for wireless communication system, has interworking node device managed by management system for converting encrypted internal communication protocol to user level protocol

Patent Assignee: TELEFONAKTIEBOLAGET ERICSSON L M (TELF)
 Inventor: HELANDER L; PETTERSSON S
 Number of Countries: 091 Number of Patents: 010
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200048365	A1	20000817	WO 2000SE198	A	20000202	200050	B
SE 9900461	A	20000812	SE 99461	A	19990211	200054	
AU 200029527	A	20000829	AU 200029527	A	20000202	200062	
EP 1151584	A1	20011107	EP 2000908154	A	20000202	200168	
			WO 2000SE198	A	20000202		
SE 516122	C2	20011119	SE 99461	A	19990211	200201	
KR 2001104698	A	20011126	KR 2001709151	A	20010720	200231	
CN 1340260	A	20020313	CN 2000803738	A	20000202	200245	
JP 2002537686	W	20021105	JP 2000599181	A	20000202	200304	
			WO 2000SE198	A	20000202		
US 6735187	B1	20040511	US 2000502756	A	20000211	200431	
IN 200100876	P3	20051021	WO 2000SE198	A	20000202	200580	
			IN 2001MN876	A	20010724		

Priority Applications (No Type Date): SE 99461 A 19990211

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200048365	A1	E 32	H04L-012/56	
Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW				
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW				
AU 200029527	A			Based on patent WO 200048365
EP 1151584	A1	E	H04L-012/56	Based on patent WO 200048365
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI				
SE 516122	C2		H04L-012/56	
KR 2001104698	A		H04L-012/56	
CN 1340260	A		H04L-012/56	
JP 2002537686	W	30	H04L-012/66	Based on patent WO 200048365
US 6735187	B1		H04M-003/42	
IN 200100876	P3	E	H04L-012/56	

Abstract (Basic): WO 200048365 A1

NOVELTY - The interworking **node** device (2A) converts encrypted internal communication protocol (ICP) frames from ICP link (13A) to user level protocols (ULC). The management system executed in packet data **node** (1A) manages functionality of interworking **node** device. The packet data **network** backbone is connected with physical links (12A) for providing communication between packet data **nodes**.

DETAILED DESCRIPTION - The public or **third party** data communication **network** like internet is integrated with packet data communication system backbone **network**. The virtual distributed **node** for external communication is managed by operator of packet data communication system. An INDEPENDENT CLAIM is also included for the method of interconnecting local **network** and packet data communication **network**.

USE - For interconnecting local **networks** and packet data communication **networks**.

ADVANTAGE - The arrangement is simple and provides high degree of scalability of cellular communication system. As the complicated communication protocols are converted to user level protocol.

DESCRIPTION OF DRAWING(S) - The figure shows the **network** for cellular communication system.

Packet data **node** (1A)

Interworking **node** device (2A)

Physical links (12A)

ICP link (13A)

pp; 32 DwgNo 2/4

Title Terms: PROTOCOL; INTERCONNECT; ARRANGE; WIRELESS; COMMUNICATE; SYSTEM ; **NODE** ; DEVICE; MANAGEMENT; SYSTEM; CONVERT; ENCRYPTION; INTERNAL; COMMUNICATE; PROTOCOL; USER; LEVEL; PROTOCOL

Derwent Class: W01; W02

International Patent Class (Main): H04L-012/56; H04L-012/66; H04M-003/42

International Patent Class (Additional): H04J-003/16; H04L-029/06;

H04Q-007/20; H04Q-007/22; H04Q-007/24; H04Q-007/38

File Segment: EPI

26/5/39 (Item 39 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011154937 **Image available**

WPI ACC No: 1997-132861/ **199712**

XRPX ACC No: N97-109642

On-line contract negotiation method - in which two or more parties negotiate contract over communication network, and data record of terms, conditions and obligations of final contract are created for later retrieval

Patent Assignee: SLOO M A (SLOO-I)

Inventor: SLOO M A

Number of Countries: 071 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9704410	A1	19970206	WO 96US11566	A	19960711	199712 B
AU 9664892	A	19970218	AU 9664892	A	19960711	199723

Priority Applications (No Type Date): US 95503718 A 19950718

Cited Patents: US 4750119; US 5253165; US 5535383

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9704410 A1 E 34 G06F-017/60

Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

AU 9664892 A G06F-017/60 Based on patent WO 9704410

Abstract (Basic): WO 9704410 A

The method for negotiating a **contract** over a communication **network** involves receiving an offer from a sender for a recipient sent over the communication **network**, into a **contract** negotiating **computer**, and storing the offer in a data record in the contract

negotiating **computer** . The recipient of the receipt of the offer in the negotiating **computer** is notified.

An acceptance of the offer from the recipient is received into the contract negotiating **computer** , and stored in the data record with the offer. The data record including the offer and acceptance in the memory of the contract negotiating **computer** is maintained for providing proof of the contract.

USE - Facilitating negotiation of **contracts** over communication **network** .

ADVANTAGE - Contracts can be quickly and easily negotiated without continuous sending, receiving, reviewing and revising offers, counter-offers and **other** communication between **parties** .

Dwg.2a/2

Title Terms: LINE; CONTRACT; NEGOTIATE; METHOD; TWO; MORE; PARTY; NEGOTIATE ; CONTRACT; COMMUNICATE; **NETWORK** ; DATA; RECORD; TERM; CONDITION; FINAL; CONTRACT; LATE; RETRIEVAL

Derwent Class: T01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06G-007/52

File Segment: EPI

26/5/42 (Item 42 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009727900 ****Image available****

WPI Acc No: 1994-007750/ **199401**

XRPX Acc No: N94-006261

Secure front end system for process control computers - has time limited and security coded contracts with other computers to grant or maintain write communication between the external and process computers

Patent Assignee: DOW CHEM CO (DOWC); DOW BENELUX NV (DOWC)

Inventor: BELL B G; DE BRUIJN R P; SCHULTZ D H; SCHULZE O E; VAN WEELE L A; VERBOVEN M L K; VERMEIRE R E; VERMEIRE R R

Number of Countries: 041 Number of Patents: 018

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9325948	A1	19931223	WO 93US5208	A	19930601	199401	B
AU 9344009	A	19940104	AU 9344009	A	19930601	199417	
EP 645028	A1	19950329	EP 93914299	A	19930601	199517	
			WO 93US5208	A	19930601		
US 5428745	A	19950627	US 92898923	A	19920612	199531	
			US 94191766	A	19940204		
			US 94279697	A	19940725		
JP 7507893	W	19950831	WO 93US5208	A	19930601	199543	
			JP 94501551	A	19930601		
US 5561770	A	19961001	US 92898923	A	19920612	199645	
			US 94191766	A	19940204		
			US 94279697	A	19940725		
			US 95391521	A	19950221		
EP 810499	A2	19971203	EP 93914299	A	19930601	199802	
			EP 97109414	A	19930601		
EP 645028	B1	19971229	EP 93914299	A	19930601	199805	
			WO 93US5208	A	19930601		
			EP 97109414	A	19930601		
DE 69316009	E	19980205	DE 616009	A	19930601	199811	
			EP 93914299	A	19930601		
			WO 93US5208	A	19930601		
ES 2110613	T3	19980216	EP 93914299	A	19930601	199813	
MX 186730	B	19971029	MX 933510	A	19930611	199901	
CA 2334499	A1	19931223	CA 2137464	A	19930601	200137	N
			CA 2334499	A	19930601		
CA 2137464	C	20010703	CA 2137464	A	19930601	200140	
			WO 93US5208	A	19930601		

EP 810499	B1	20011017	EP 93914299	A	19930601	200169
			EP 97109414	A	19930601	
DE 69330970	E	20011122	DE 630970	A	19930601	200201
			EP 97109414	A	19930601	
ES 2162659	T3	20020101	EP 97109414	A	19930601	200221
KR 314387	B	20011117	KR 94704581	A	19941212	200240
			KR 2000713418	A	20001128	
KR 302222	B	20011122	WO 93US5208	A	19930601	200243
			KR 94704581	A	19941212	

Priority Applications (No Type Date): US 92898923 A 19920612; US 94191766 A 19940204; US 94279697 A 19940725; US 95391521 A 19950221; CA 2334499 A 19930601

Cited Patents: DE 4132100; EP 454263; US 4779224; US 4882752; US 4956769; US 4958270; US 5056140

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9325948	A1	E	75	G05B-019/417	
Designated States (National): AT AU BB BG BR CA CH CZ DE DK ES FI GB HU JP KR LK LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE					
AU 9344009	A			G05B-019/417	Based on patent WO 9325948
EP 645028	A1	E	2	G05B-019/417	Based on patent WO 9325948
Designated States (Regional): BE DE ES FR GB IT NL					
US 5428745	A		41	G06F-013/00	Cont of application US 92898923
					Cont of application US 94191766
JP 7507893	W		1	G05B-015/02	Based on patent WO 9325948
US 5561770	A		41	G06F-013/00	Cont of application US 92898923
					Cont of application US 94191766
					Div ex application US 94279697
					Div ex patent US 5428745
EP 810499	A2	E	53	G05B-019/418	Div ex application EP 93914299
					Div ex patent EP 645028
Designated States (Regional): BE DE ES FR GB IT NL					
EP 645028	B1	E	59	G05B-019/418	Related to application EP 97109414
					Related to patent EP 810499
					Based on patent WO 9325948
Designated States (Regional): BE DE ES FR GB IT NL					
DE 69316009	E			G05B-019/418	Based on patent EP 645028
					Based on patent WO 9325948
ES 2110613	T3			G05B-019/418	Based on patent EP 645028
MX 186730	B			G05B-019/417	
CA 2334499	A1	E		G05B-015/00	Div ex application CA 2137464
CA 2137464	C	E		G06F-013/368	Based on patent WO 9325948
EP 810499	B1	E		G05B-019/418	Div ex application EP 93914299
					Div ex patent EP 645028
Designated States (Regional): BE DE ES FR GB IT NL					
DE 69330970	E			G05B-019/418	Based on patent EP 810499
ES 2162659	T3			G05B-019/418	Based on patent EP 810499
KR 314387	B			G05B-019/418	Div ex application KR 94704581
KR 302222	B			G05B-019/418	Previous Publ. patent KR 95702046
					Based on patent WO 9325948

Abstract (Basic): WO 9325948 A

The process control **network** includes active redundant process control **computers** (12). These interface to intelligent front **computers** (18) which link the process **computers** to various buses. A variety of operators stations(70) and other **computers** obtain access to the process **computers** through the front end **computers**.

The front end **computers** establish links with other **computers** by issuing time-limited, and security encoded, 'contracts' to these **computers**. The other **computers** respond with a suitably security coded response to gain write permission. A security table also identifies **computers** which may be offered write permission.

ADVANTAGE - Provides secure front-end communication between active process **computers** and plant/local **networks** .

35/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014384978 **Image available**

WPI Acc No: 2002-205681/200226

XRPX Acc No: N02-156650

Contract tendering system for business uses central server and network enabling tender requests to be sent directly from authority to suitable service providers

Patent Assignee: SILVERSITE AG (SILV-N); BESCHLE D (BESC-I); DEECKE F (DEEC-I); KUEFER A (KUEF-I)

Inventor: BESCHLE D; DEECKE F; KUEFER A

Number of Countries: 093 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200175696	A1	20011011	WO 2000CH197	A	20000404	200226 B
AU 200034146	A	20011015	AU 200034146	A	20000404	200226
			WO 2000CH197	A	20000404	
US 20030018572	A1	20030123	WO 2000CH197	A	20000404	200310
			US 2002247329	A	20020920	
EP 1269360	A1	20030102	EP 2000912323	A	20000404	200310
			WO 2000CH197	A	20000404	

Priority Applications (No Type Date): WO 2000CH197 A 20000404

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200175696 A1 F 32 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200034146 A G06F-017/60 Based on patent WO 200175696

US 20030018572 A1 G06F-017/60 Cont of application WO 2000CH197

EP 1269360 A1 F G06F-017/60 Based on patent WO 200175696

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): WO 200175696 A1

NOVELTY - The **contract** preparation method uses a telecommunications **network** (2) to enable an adjudicator to call for tenders from one of **several suppliers** (3), selected from amongst those offering the type of service required. The communications platform is available to the contracting authority through a first telecommunications **network** (2). The **network** routes all calls for tenders to the suppliers who may accept or decline the calls.

DETAILED DESCRIPTION - The **contract** preparation method uses a telecommunications **network** (2) to enable an adjudicator (4) to call for tenders from one of **several suppliers** (3), selected from amongst those offering the type of service required. The communications platform is available to the contracting authority through a first telecommunications **network** (2). The **network** routes all calls for tenders to the suppliers who may accept or decline the calls. The central platform co-ordinating communication is an http server (10), or may alternatively be a WAP server. The telecommunications **network** may be the Internet, or a mobile **network** conforming to WAP protocol.

USE - Obtaining tenders for business contracts.

ADVANTAGE - Enables direct mailing of tender requests to suitable suppliers via telecommunication **network**.

DESCRIPTION OF DRAWING(S) - The diagram shows the **network** link between contracting authority and suppliers, telecommunications **network** (2) suppliers (3) **contract** adjudicator (4) http server (10)

pp; 32 DwgNo 1/9

Title Terms: CONTRACT; SYSTEM; BUSINESS; CENTRAL; SERVE; **NETWORK** ; ENABLE;
TENDER; REQUEST; SEND; AUTHORISE; SUIT; SERVICE
Derwent Class: T01; W01
International Patent Class (Main): G06F-017/60
File Segment: EPI

35/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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014213118 **Image available**

WPI ACC No: 2002-033815/200204

XRPX ACC No: N02-026035

**Merchandise contract brokerage system for business transaction system,
has merchandise contract sub system and retailing sub systems for
performing brokerages**

Patent Assignee: FUJITSU LTD (FUJIT); KISHI H (KISH-I)

Inventor: KISHI H

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010039499	A1	20011108	US 2001815058	A	20010323	200204 B
JP 2001319032	A	20011116	JP 2000133885	A	20000502	200208

Priority Applications (No Type Date): JP 2000133885 A 20000502

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20010039499	A1		11	G06F-017/60	
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JP 2001319032	A		9	G06F-017/60	
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Abstract (Basic): US 20010039499 A1

NOVELTY - A merchandise contract sub system (2) performs brokerage operation by communicating merchandise and contract information between **multiple** merchandise **vendor** and retailer information processing systems (4,8) through Internet. A retailing sub system (3) communicates the information between **multiple** **retailer** and consumer information processing systems (8,14) through Internet to perform brokerage operation.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Merchandise contract sub system;

(b) Retailing sub system

USE - For business transaction systems.

ADVANTAGE - Reduces the number of goods left unsold which result in discounts and smaller sales figure. Reduces possibility of exhaustion of stock that hurts a greater business opportunity.

DESCRIPTION OF DRAWING(S) - The figure shows the entire merchandise **contract network**.

Merchandise contract sub system (2)

Retailing sub system (3)

Processing systems (4,8,14)

pp; 11 DwgNo 1/8

Title Terms: MERCHANDISE; CONTRACT; SYSTEM; BUSINESS; TRANSACTION; SYSTEM;
MERCHANDISE; CONTRACT; SUB; SYSTEM; RETAIL; SUB; SYSTEM; PERFORMANCE;
OPERATE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

35/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014189252 **Image available**

WPI ACC No: 2002-009949/200201

XRPX ACC No: N02-008304

Quality assured network service provision system e.g. in Internet, has service broker device with broker function for achieving agreement between multiple network service providers

Patent Assignee: NEC CORP (NIDE)

Inventor: NISHI K

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010027484	A1	20011004	US 2001818955	A	20010327	200201 B
JP 2001282760	A	20011012	JP 200095393	A	20000330	200201
JP 3617406	B2	20050202	JP 200095393	A	20000330	200511

Priority Applications (No Type Date): JP 200095393 A 20000330

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010027484	A1		24	G06F-015/173	
JP 2001282760	A		18	G06F-015/177	
JP 3617406	B2		24	H04L-012/56	Previous Publ. patent JP 2001282760

Abstract (Basic): US 20010027484 A1

NOVELTY - A **network** service management device (28) collectively manages the device clusters incorporated within the operations.

Management **networks** and receives service orders and faults information from the customers. A service broker device (23) provided at functional host layer of the service management device, provides broker function for achieving agreement between service providers.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) **Network** service providing method;

(b) Service broker device

USE - For providing quality assured **network** service across multiple operations management **networks** e.g. in Internet.

ADVANTAGE - A **network** service is provided that guarantees the level of quality required by a customer through multiple **networks** operated by **different providers**. By providing a dedicated service broker, the system achieves function distribution and a high level of expandability. By introducing multi-domain service broker for collecting information between the **network** service management devices provided in each domain, interconnectivity is promoted and the necessary services are brokered and thus seamless **network** service provision system is realized even between different domains.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of **network** service management device.

Service broker device (23)

Network service management device (28)

pp; 24 DwgNo 2/11

Title Terms: QUALITY; ASSURE; **NETWORK** ; SERVICE; PROVISION; SYSTEM;

SERVICE; DEVICE; FUNCTION; ACHIEVE; AGREE; MULTIPLE; **NETWORK** ; SERVICE

Derwent Class: T01; W01

International Patent Class (Main): G06F-015/173; G06F-015/177; H04L-012/56

International Patent Class (Additional): G06F-015/16

File Segment: EPI

35/5/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013192675 **Image available**

WPI ACC No: 2000-364548/ 200031

Related WPI ACC No: 2000-349900; 2000-349901; 2000-364558; 2000-364569;
2000-364570

XRPX ACC No: N00-272804

Telecommunication system for negotiating telecommunication resources, has negotiation manager to inform successful negotiation by contract execution

Patent Assignee: SOMA NETWORKS INC (SOMA-N); WIRELESS SYSTEM TECHNOLOGIES INC (WIRE-N)

Inventor: DE SIMONE M; SNELGROVE W M; STUMM M

Number of Countries: 090 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200019663	A1	20000406	WO 99CA872	A	19990924	200031	B
AU 9957247	A	20000417	AU 9957247	A	19990924	200035	
EP 1112639	A1	20010704	EP 99944208	A	19990924	200138	
			WO 99CA872	A	19990924		
EP 1162813	A2	20011212	EP 99944208	A	19990924	200204	
			EP 2001203334	A	19990924		
JP 2002526978	W	20020820	WO 99CA872	A	19990924	200258	
			JP 2000573042	A	19990924		
AU 2004202181	A1	20040617	AU 9957247	A	19990924	200468	N
			AU 2004202181	A	20040522		
MX 2001004102	A1	20040401	WO 99CA872	A	19990924	200478	
			MX 20014102	A	20010425		
IN 200500758	P3	20051021	WO 99CA872	A	19990924	200639	
			IN 2001MN294	A	20020315		
			IN 2005MN758	A	20050708		

Priority Applications (No Type Date): CA 2264407 A 19990304; US 98101857 P 19980925; AU 2004202181 A 20040522

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200019663	A1	E	46	H04L-012/24	
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Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 9957247	A				Based on patent WO 200019663
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EP 1112639	A1	E		H04L-012/24	Based on patent WO 200019663
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

EP 1162813	A2	E		H04M-003/00	Div ex application EP 99944208
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Div ex patent EP 1112639

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

JP 2002526978	W		65	H04L-029/06	Based on patent WO 200019663
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AU 2004202181	A1			H04L-012/24	Div ex application AU 9957247
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MX 2001004102	A1			H04L-012/24	Based on patent WO 200019663
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IN 200500758	P3	E		H04L-012/24	Div ex application IN 2001MN294
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Abstract (Basic): WO 200019663 A1

NOVELTY - A **network** agent (20) administers a telecommunication **network** (16) interconnecting **two user** interfaces (12,14). A negotiation manager (22) identifies agents participating in negotiation and implements a negotiation discipline which allows each participating agent to accept or revise a contract. The negotiation is then informed to be successful by execution of contract.

DETAILED DESCRIPTION - User agent (18) and **network** agent (20), receives **contract** from negotiation manager (22) and inspect the contract. The contract is modified suitably if it is not in acceptable state and returned to the negotiation manager. An INDEPENDENT CLAIM is also included for telecommunication resource negotiating method.

USE - For negotiating telecommunication resources over telecommunication **network** for use in remote surgery, Internet gaming service, etc.

ADVANTAGE - Allows **third party** to create new agent or negotiating discipline software available over Internet to respond to new services and/or requirements.

DESCRIPTION OF DRAWING(S) - The figure represents physical layout of telecommunication system.

User interfaces (12,14)

Telecommunication **network** (16)

User agent (18)

Network agent (20)

Negotiation manager (22)

pp; 46 DwgNo 1/9

Title Terms: TELECOMMUNICATION; SYSTEM; NEGOTIATE; TELECOMMUNICATION;
RESOURCE; NEGOTIATE; MANAGE; INFORMATION; SUCCESS; NEGOTIATE; CONTRACT;
EXECUTE

Derwent Class: T01; W01; W02; W04

International Patent Class (Main): H04L-012/24; H04L-029/06; H04M-003/00

International Patent Class (Additional): H04L-012/56; H04Q-003/00;

H04Q-011/04

File Segment: EPI

35/5/20 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011790843 **Image available**

WPI Acc No: 1998-207753/ **199818**

XRPX Acc No: N98-164987

**Charging method for multiple providers using generic radio based
assess network - involves agreements between servers and network
being registered in radio control units that record relevant billing data**

Patent Assignee: TELEFONAKTIEBOLAGET ERICSSON L M (TELF)

Inventor: RUNE J

Number of Countries: 080 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9811712	A2	19980319	WO 97SE1517	A	19970909	199818 B
SE 9603281	A	19980311	SE 963281	A	19960910	199822
SE 507372	C2	19980518	SE 963281	A	19960910	199826
AU 9741436	A	19980402	AU 9741436	A	19970909	199833
GB 2332342	A	19990616	WO 97SE1517	A	19970909	199926
			GB 994892	A	19990303	
DE 19781947	T	19990930	DE 1081947	A	19970909	199946
			WO 97SE1517	A	19970909	
US 6038439	A	20000314	US 97923923	A	19970905	200020
TW 363314	A	19990701	TW 97112038	A	19970821	200029
GB 2332342	B	20001011	WO 97SE1517	A	19970909	200052
			GB 994892	A	19990303	
JP 2001500335	W	20010109	WO 97SE1517	A	19970909	200107
			JP 98513565	A	19970909	

Priority Applications (No Type Date): SE 963281 A 19960910

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
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SE 9603281 A H04Q-007/24

SE 507372 C2 H04Q-007/24

AU 9741436 A H04M-015/00 Based on patent WO 9811712

GB 2332342 A H04M-015/00 Based on patent WO 9811712

DE 19781947	T	H04M-015/00	Based on patent WO 9811712
US 6038439	A	H04M-011/00	
TW 363314	A	H04L-012/14	
GB 2332342	B	H04M-015/00	Based on patent WO 9811712
JP 2001500335	W	33 H04M-015/00	Based on patent WO 9811712

Abstract. (Basic): WO 9811712 A

The method involves using a generic radio access **network** (GRAN), which has several base stations (BS) providing connections to radio units, e.g. mobiles (TE), fixed units (TFR) or video units (TVR). The radio **network** also has radio control units (RNC1-RNC5) providing connections between the radio stations. The generic **network** is used by **several** service **providers** (SN1-SN3) that each have their own billing **agreements** with the generic **network** provider.

The agreements are parameterised and held within several the radio control units. When a call is placed, the relevant **network** data is located, and subsequent **network** use is recorded and used to create the billing data accordingly.

ADVANTAGE - Provides flexible means of establishing and managing multiple agreements between service providers.

File 348:EUROPEAN PATENTS 1978-2006/ 200627

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File 349:PCT FULLTEXT 1979-2006/UB=20060706,UT=20060629

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Set	Items	Description
S1	3710	(CONTRACT? ? OR AGREEMENT? ?)(5N)(CHAIN??? OR STRING? ? OR SERIES OR NETWORK? ? OR LINK???? OR INTERLINK??? OR CONNECT??? OR INTERCONNECT???)
S2	133854	(SECOND? OR 2ND OR THIRD OR 3RD OR ANOTHER OR OTHER OR DIFFERENT)(2W)(PARTY OR PARTIES OR ENTITY OR ENTITIES OR PERSON? ? OR INDIVIDUAL? ? OR USER? ? OR VENDOR? ? OR PARTNER? ? OR SUPPLIER? ? OR COMPAN??? OR ORGANIZATION? ?)
S3	14377	(SECOND? OR 2ND OR THIRD OR 3RD OR ANOTHER OR OTHER OR DIFFERENT)(2W)(ORGANISATION? ? OR PROVIDER? ? OR BUSINESS?? OR RETAILER? ? OR WHOLESALE? ? OR DEALER? ? OR MERCHANT? ? OR CONTRACTOR? ?)
S4	102986	(MULTIPLE OR MULTIPLICITY OR SEVERAL OR MORE OR MANY OR PLURAL? OR DUAL? OR VARIOUS OR TWO OR THREE OR PAIR? ?)(2W)(PARTY OR PARTIES OR ENTITY OR ENTITIES OR PERSON? ? OR INDIVIDUAL? ? OR VENDOR? ? OR PARTNER? ? OR SUPPLIER? ? OR COMPAN??? OR ORGANIZATION
S5	62776	(MULTIPLE OR MULTIPLICITY OR SEVERAL OR MORE OR MANY OR PLURAL? OR DUAL? OR VARIOUS OR TWO OR THREE OR PAIR? ?)(2W)(ORGANISATION? ? OR PROVIDER? ? OR BUSINESS?? OR RETAILER? ? OR WHOLESALE? ? OR DEALER? ? OR MERCHANT? ? OR CONTRACTOR? ? OR USER? ?)
S6	1857180	COMPUT? OR PC? ? OR TERMINAL? ? OR WORKSTATION? ? OR WORK(-)STATION? ? OR NODE? ? OR CLIENT? ?
S7	315001	NETWORK??? OR LAN OR WAN OR INTRANET? ? OR EXTRANET? ?
S8	402287	COMPUTER? ?
S9	583	S1(50N)S2:S5(50N)S6:S8
S10	37	S1/TI,AB AND S9
S11	130	S1/TI,AB,CM AND S9
S12	54	S11 AND AC=US/PR AND AY=(1978:2000)/PR
S13	54	S11 AND AC=US AND AY=1978:2000
S14	54	S11 AND AC=US AND AY=(1978:2000)/PR
S15	32	S11 AND PY=1978:2000
S16	62	S12:S15
S17	62	IDPAT (sorted in duplicate/non-duplicate order)

17/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01276367

An architecture for an IP centric distributed network
Architektur für ein IP-zentrisches verteiltes Netzwerk
Architecture pour un reseau IP-centrique distribue

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PATENT (CC, No, Kind, Date): EP 1098490 A2 010509 (Basic)
EP 1098490 A3 030827

APPLICATION (CC, No, Date): EP 2000309735 001103;

PRIORITY (CC, No, Date): US 434628 991105

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): H04L-029/06

ABSTRACT WORD COUNT: 215

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LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200119	2711
SPEC A	(English)	200119	13891
Total word count - document A			16602
Total word count - document B			0
Total word count - documents A + B			16602

...SPECIFICATION Objectives

The service session enables an end user to use services provided by the serving **network**. Also, an end user can use the serving **network** services to dynamically change **network** transport resources. That will allow an end user to access globally available **network** services at the required bandwidth for a desired quality of service. The following paragraphs describe a few objectives.

Identify serving **network** services to facilitate use of access **network** application servers to provide services independent from the subscriber's home **network**.

Identify any interaction needed in providing global **network** services that are based on service level agreements between other **networks** (home or **third party**).

Identify serving **networks** ' role in enabling end user to form a private **network** within the scope of serving the wireless Internet.

Identify scheme for reporting **network** resource usage.

Establishing and managing voice, paging, Short Message Service (SMS), and circuit and packet...

...Service capabilities related to information and functionality such as dynamic negotiation of QoS, use of **Intranet service and use of communication resources.**

Transport Related Objectives

The transport session activities enable the mobile host to use the **network**'s air and virtual packet channel path resources. The following paragraphs describe a few identified...the local service function layers 2104 and 2106 are shown to be connected to a **network** service function layer 2112 through either a LSF firewall 2114, the public Internet 2116 and...

...service provider and would use the firewalls 2114, 2118 if the NSF belonged to a **different** service **provider**.

Moreover, NSF 2122 is connected to NSF 2112 through a private **link** 2124, through a service level **agreement** **link** 2126 or through another NSF firewall 2128, the public Internet 2116 and the original NSF...

...link 2124 if the two NSFs belonged to the same service provider, the service level **agreement** **link** 2126 if the two NSFs had a service level agreement and the firewalls 2128, 2118 if the two NSFs belonged to **two different** service **providers**.

In addition, LSFs 2130, 2132, private link 2134, LSF firewall 2136, access management layers 2138...

...the other components on the right side of figure 21 for simplicity purposes. However, the **network** could be arranged in countless ways and still withhold the relationships described above.

Conclusion

It...

...CLAIMS layers belong to two different wireless network service providers and are connected through a private **link** governed by a service level **agreement**.

52. The communications **network** of claim 49 wherein at least two of the plurality of network service function layers...

17/3,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01262392

System for supporting multiple Internet service providers on a single network

System zur Unterstützung von mehreren Internet- Dienstanbietern in einem einzelnen Netz

Systeme pour supporter une pluralite de fournisseurs de service Internet sur un seul reseau

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PATENT (CC, No, Kind, Date): EP 1089524 A2 010404 (Basic)
EP 1089524 A3 040310

APPLICATION (CC, No, Date): EP 2000308550 000928;

PRIORITY (CC, No, Date): US 411012 991001

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): H04L-029/12

ABSTRACT WORD COUNT: 109

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Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200114	1014
SPEC A	(English)	200114	4919
Total word count - document A			5933
Total word count - document B			0
Total word count - documents A + B			5933

...ABSTRACT authorized ISP. The hardware also facilitates the registration process, allowing devices new to the local **network** to establish Internet-access **agreements** with ISPs, and thereby gain access to the Internet.

CLAIMS 1. A method for initiating a service **agreement** between a user of a **network** device on a first **network** and one of a **plurality** of service **providers** having corresponding servers on a second **network**, wherein the **network** device includes an identification code unique to the first **network**, the method comprising:

- receiving the code from the **network** device;
- transmitting a message to the **network** device, the message including a list of the service providers;
- prompting the user to...

...receiving a notice from the selected one of the service providers, the notice identifying the **network** device and the selected one of the service providers.

2. The method of claim 1...

...of the service providers also includes the token.

6. A method for initiating a service **agreement** between a user of a **network** device on a first network and a service provider...

...the user of the network device; and

f. assigning a global IP address to the **network** device, the global IP address allowing the **network** device to communicate with the second plurality of devices on the second **network**.

7. The method of claim 6, further comprising prompting the user to select the service provider from a **plurality** of service **providers**.

8. The method of claim 6, further comprising storing the code and a second code identifying the service provider after (e).

9. A local **network** system comprising:

- a plurality of cable modems connected to one another via a cable **network**, each of the modems including a corresponding unique identifier;
- a **network** headend having a first **network** **node** connected to the cable **network** and a second **network** **node**;
- an address server connected to the second **network** **node** of the headend, the address server including a modem database adapted to store the identifiers of the cable modems;
- a router connected between the local **network** and a second network;
- an ISP server connected to the router via the second...

...address to the network computer, wherein the non-routable address is unique to the local **network**;

- facilitate an **agreement** between a user of the **network** computer and an entity authorized to grant the network computer access to the second network...

...to the network computer, wherein the non-routable address lacks authority to access the second **network**;

ii. facilitating an agreement between a user of the network computer and an entity authorized...

...connected to a second network, the method comprising:

- a. sending a unique identifier from the **network computer** ;
 - b. receiving a non-routable address, wherein the non-routable address lacks authority to access the second **network** ;
 - c. receiving, from a device on the local **network** , a list identifying a **plurality** of service **providers** on the second **network** ; and
 - d. selecting one of the **plurality** of service **providers** .
19. The method of claim 18, further comprising receiving a token from the device on the local **network** and sending the token to the selected one of the **plurality** of service **providers** .
20. The method of claim 18, further comprising receiving a token from the device on the local **network** and sending the token to the selected one of the **plurality** of service **providers** through the device on the local **network** .
21. The method of claim 18, further comprising receiving a request to release the non...

17/3,K/10 (Item 10 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01205435

Method of providing quality of service agreement across network boundaries

Verfahren zur Herstellung einer Dienstqualitätsübereinstimmung durch Netzgrenzen

Procede pour fournir un accord de qualite de service a travers des limites de reseau

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PATENT (CC, No, Kind, Date): EP 1049297 A2 001102 (Basic)
EP 1049297 A3 030618

APPLICATION (CC, No, Date): EP 2000105335 000316;

PRIORITY (CC, No, Date): US 285111 990401

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): H04L-012/56

ABSTRACT WORD COUNT: 67

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LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

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CLAIMS A	(English)	200044	428
SPEC A	(English)	200044	1802
Total word count - document A			2230
Total word count - document B			0
Total word count - documents A + B			2230

Method of providing quality of service agreement across network boundaries

...ABSTRACT A2

A method and arrangement for implementing a service level **agreement** (SLA) across **network** boundaries between carriers. An existing peering agreement is enhanced to include a set of agreed...

...SPECIFICATION as dedicated access customer 30. As with dial-up customer 20 of Carrier A's **network**. IP traffic originating at, or destined for, dial-up customer 28 must pass through PSTN 12. Carrier B's **network** further comprises a service **node** 32, in this case functioning as an egress **node** for distributing the IP traffic to the proper destinations. As with access service **node** 22, a signaling system such as SS7 34, is used as part of the call set-up to communicate to the voice **network** within Carrier B's **network**.

In general, any type of IP traffic may be transported between any **pair** of end- **users**, whether they are dedicated access or dial-up, regardless of whether they are located in the same **network** or different **networks**. As stated above, a problem with the current arrangement as illustrated in FIG. 1 is that there is no consistent methodology employed in handing off IP traffic across **network** boundaries. For example, with IP telephony, a call may be set up from an IP telephony gateway 36 within customer 24's **network** to an IP telephony gateway 38 within customer 30's **network**. An IP telephony gatekeeper 40, associated with Carrier A is used to identify the destination...

...to the implementation of a Service Level Agreement, as an enhancement to an established peering **agreement**, between two different **networks**. In particular, an existing peering **agreement** between Carriers A and B is enhanced to include QoS parameters to provide an agreed...

...be input to an automated process to configure the router to communicate with the other **network** to enable the QoS SLA between the two **networks** and to establish the enhanced peering **agreement** between the two **networks**.

In order to be an effective tool in the transport of IP telephony, the inter- **network** SLA resident within private routing registry 50 needs to be, at the outset, agreed upon...

...accessible and capable of being modified. Various security tools may be used to prevent anyone **other** than the **parties** involved with the SLA from accessing the SLA agreement. Referring to the arrangement of FIG. 2, for IP telephony being transported from Carrier A's **network** to Carrier B's **network**, managed IP backbone 16 of Carrier A may be used to provide "traffic shaping" for...

...by the SLA is attempted to be transmitted. Additionally, managed IP backbone 18 within Carrier **network** B provides "traffic policing" to ensure that only the agreed-upon allocation of traffic (as defined in the SLA) is allowed to enter the **network**.

It is to be understood that the above-described QoS parameters forming a Service Level...

...CLAIMS IP traffic across boundary between a first carrier's network and a second carrier's **network** based upon an enhanced peering **agreement**, the arrangement comprising a database for storing a service level agreement (SLA) including a plurality...

...of service for IP traffic across a boundary between a first network and a second **network** as an enhanced peering **agreement**, the method comprising the step of

- a) defining an inter- **network** service level **agreement** (SLA) between the first and second networks in addition to an existing **network** routing peering **agreement**, the inter- **network** SLA including a set of predetermined quality of service (QoS) parameters associated with

different types...

17/3,k/11 (Item 11 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01177293

PROCESS FOR EXECUTING A FINANCIAL TRANSACTION, IN REAL TIME, BETWEEN TWO PARTS WHICH ARE CONNECTED THROUGH A COMPUTER NETWORK, AND SYSTEM FOR ITS IMPLEMENTATION

VERFAHREN ZUM ERMOGLICHEN EINER FINANZIELLEN TRANSAKTION IN ECHTZEIT ZWISCHEN ZWEI UBER EIN RECHNERNETZWERK VERBUNDENEN TEILEN, UND SYSTEM ZU SEINER DURCHFUHRUNG

PROCEDE PERMETTANT D'EFFECTUER UNE TRANSACTION ECONOMIQUE EN TEMPS REEL ENTRE DEUX PARTIES CONNECTEES VIA UN RESEAU INFORMATIQUE ET SYSTEME POUR SA MISE EN OEUVRE

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Piana, Pietro Paolo, (2696731), Av. Diagonal, 325 5 1, 08009 Barcelona, (ES), (Proprietor designated states: all)

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PATENT (CC, No, Kind, Date): EP 1139308 A1 011004 (Basic)

EP 1139308 B1 050511

WO 2000034926 000615

APPLICATION (CC, No, Date): EP 98958262 981210; WO 98ES336 981210

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INTERNATIONAL PATENT CLASS (V7): G07F-007/08

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CLAIMS A	(English)	200140	1572
CLAIMS B	(English)	200519	1585
CLAIMS B	(German)	200519	1641
CLAIMS B	(French)	200519	1741
SPEC A	(English)	200140	3590
SPEC B	(English)	200519	3263
Total word count - document A			5163
Total word count - document B			8230
Total word count - documents A + B			13393

...SPECIFICATION the correct reception of the said money transfer by means of an electronic message of **agreement** sent through the **network**, which can include other financial or fiscal interesting data and be printed through conventional printing...

...the modality selected by one of them being independent from the modality selected by the **other party**. It is obvious therefore that any match between a modality selected by the payer and...

...a first feature of the said process, the payer, before connecting the payee through the **network**, connects a banking account of which he is the holder in a finance company to...

...one or several services or goods he is willing to apply for immediately through the **network** . Thereafter, he can connect the payer through the network to receive a service or purchase...

...CLAIMS of the said money transfer to the payer by means of an electronic message of **agreement** sent through the **network** , which can include other financial or fiscal interesting data and to be printed through conventional...

...CLAIMS reception of the money transfer to the payer by means of an electronic message of **agreement** sent through the **network** , which can include other financial or fiscal data and can be printed through conventional printing...

17/3,K/12 (Item 12 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01163544

Arrangement for billing or billing authorization using a telecommunication network

Anordnung zur Vergebuhung oder Vergebuhungsberechtigung unter Benutzung eines Telekommunikationsnetzwerkes

Dispositif pour la facturation ou autorisation de facturation en utilisant un reseau de telecommunication

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PATENT (CC, No, Kind, Date): EP 1014671 A2 000628 (Basic)
EP 1014671 A3 010912

APPLICATION (CC, No, Date): EP 99310530 991223;

PRIORITY (CC, No, Date): US 219813 981223; US 368932 990923

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

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CLAIMS A	(English)	200026	2157
SPEC A	(English)	200026	11657
Total word count - document A			13814
Total word count - document B			0
Total word count - documents A + B			13814

...SPECIFICATION network billing system, while the subscriber is not constrained to being a subscriber to the **network** and having the service billed as part of a **network** bill. It also enables subscribers connected to the **network** through private exchanges or private **networks** e.g. where their employer is the agent, to have the employer pay for the...

...be billed by a billing system of the utility for a service provided by a **third party service provider**, the method comprising the steps of:
obtaining from the subscriber an authorisation to bill an...

...the invention provides a method of billing for a transaction between subscribers of a telecommunications **network**, the communications **network** including a network billing account associated with at least one of the subscribers, the method comprising the steps of:
receiving **agreement** over the **network** to a billing amount for the transaction;
causing execution of the transaction with the at...

...CLAIMS steps by the agent of:
sending an authorization to the service provider over the telecommunication **network** for the service on behalf of the subscriber,
receiving a bill including a billing amount...

...27. Apparatus for use with a telecommunications network for authorizing a service provided by a **third party service provider** to a subscriber of the telecommunications network, the **network** having an associated subscriber billing system, arranged to bill the subscriber and capable of crediting...

...be provided if the subscriber authorizes the billing.
28. A billing system for a telecommunication **network**, for billing a subscriber to the telecommunication **network**, the billing relating to a service provided by a **third party service provider** coupled to the **network**, the billing system comprising:
circuitry for receiving from the service provider an indication of a...

...credit made to the service provider by the billing system.

29. Software stored on a **computer** readable medium for carrying out the method of claim 1.

30. A method of billing for a transaction between subscribers of a telecommunications **network**, the communications **network** including a network billing account associated with at least one of the subscribers, the method comprising the steps of:
receiving an **agreement** over the **network** for a billing amount for the transaction;
causing execution of the transaction with the at subscribers, the method comprising the steps of:
confirming over the **network** an **agreement** to a billing amount for the transaction;
executing the transaction with the at least one...

17/3,K/14 (Item 14 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00907458 **Image available**

ELECTRONIC MARKETS BUSINESS INTERCHANGE SYSTEM AND METHO

PROCEDE ET SYSTEME D'ECHANGE COMMERCIAUX PAR LE BIAIS DE MARCHES
ELECTRONIQUES

Inventor(s):

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Legal Representative:

LETFHORD John F (agent), Klehr, Harrison, Harvey, Branzburg & Eilers
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Application: WO 2001US48689 20011105 (PCT/WO US0148689)
Priority Application: US 2000246040 20001106
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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
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(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
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Detailed Description
Claims

Detailed Description

... FIG. 33 depicts the manner in which the interface modules of nodes of an interactive **network** incorporating the **contract** management system according to the invention interact with one another using messaging services.

DETAILED DESCRIPTION...thereof may be found in or generally correspond to those encountered in complex contracts between **other** sophisticated **business entities** or organizations). The contracting process may be a highly interactive and lengthy process between the...regardless of their particular technical architecture or whether they are associated with proprietary or private **networks**.

Utilizing **contract** module 22 and interface module 28, organizations that participate in contract formation realize the following...

...internal systems and data shared across organizations throughout the contracting process. By serving as a **node** of a virtual **network**, sometimes referred to as an "Openweb", interface module 28 allows data to remain under the control of a data "donor" organization while still enabling collaboration with **multiple organizations** to occur.

That is, the interface module provides the tools and methods in necessary for...

...and/or private contract management modules 22, through the Internet 18 or other broadband communications **network** medium.

In FIG. 4, a block diagram shows the use of contract management module 22...interface module 28 also allows translation of routing and security using the GAAM addresses so that **connected** applications can access the local **contract** management module installation, or "**node**", without compromising control of the business objects and related corporate data.

Interface module 28 facilitates...

...depicted in
FIG. 31. In that figure it can be seen that one organization's

network and at least one electronic marketplace whereby users can communicate over the **network** with the at least one electronic marketplace during generation of a contract.

33 The method...

...with generation of a contract.

39 A method of using a system operating over a **network** to generate a **contract**, said method comprising the steps of: providing a contract management module including means for enabling...

...creation, negotiation, collaboration, approval, analytics and storage; and providing an interface module communicable with the **network** and said **contract** management module, said interface module including means for enabling a user to communicate over the **network**; and using said **contract** management module to create, negotiate, collaborate, approve, analyze and store a **contract** over the **network**.

40 The method of claim 39 wherein the network is the Internet.

41 The method...

...with generation of a contract.

48 A method of using a system operating over a **network** to generate a **contract**, the system including means for enabling a user to communicate over the network, said method...

...management module in communication with the means for enabling a user to communicate over the **network**, said **contract** management module including means for enabling contract creation, negotiation, collaboration, approval, analytics and storage; and

87

using said contract management module to create, negotiate, collaborate, approve, analyze and store a **contract** over the **network**.

49 The method of claim 48 wherein the network is the Internet.

50 The method...

...performing actions associated with generation of a contract.

57 In a system for generating a **contract** operating over a **network**, the system including means for enabling a user to communicate over the **network** and a **contract** management module in communication with the means for enabling a user to communicate over the **network**, the **contract** management module including means for enabling contract creation, negotiation, collaboration, approval, analytics and storage, a...

00905272 **Image available**

**METHODS AND SYSTEM FOR COMMUNICATIONS SERVICE REVENUE COLLECTION
PROCEDES ET SYSTEMES DESTINES AUX COLLECTES DES RECETTES D'UN SERVICE DE
COMMUNICATIONS**

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Patent and Priority Information (Country, Number, Date):

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Priority Application: SE 20004156 20001113; US 2001277285 20010321; SE
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AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM
DZ EC EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU
ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR
TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

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Fulltext Availability:

Claims

Claim

... 102n. Business end users, however, might
typically use a digital pen in conjunction with an **agreement** between a
network operator and a service provider.
The business end user may either be an employee of...

...e.g., the new inventory service is
the provided service). UPS may enter into an **agreement**
with a **network** operator where a consolidated UPS account
is billed, as opposed to billing separate accounts for...provided.
5 If an individual end user 102a uses a pen-related service
provided by **network** operator 110a, then **network** operator
110a may send an invoice to individual end user 102a for
use of the thens service **agreement** with the **network** operator (e.g.,
no additional payment is necessary).
Service providers 116a-116n may be vendors or **other**
entities that market and support pen-related services to
end users. A service provider, such as...

...of

service providers include UPS (as previously explained),
an internet-based flower shop, or any **other business** that
offers products and services to customers. Service providers 116a-116n
may enter into agree
ments with **other entities**, such as a **network** operator or
payment provider. Each **agreement** may result in a diffe

rent billing arrangement. A service provider typically may receive information...

...and pay
ments may also be exchanged in some manner between the service provider, a **network** operator, a payment provider, and the end user. Specific billing arrangements are more fully explained...

...pen-related ser
vices may be part of an individual end user's overall communications service **agreement** with the **network** operator (e.g., no additional payment is necessary). Mapping lookup service 108 may also bill...the service provider may prefer to have costs passed to itself as part of an **agreement** with a **network** operator. In this arrangement, a service provider provides a business end user with pen-related...

...costs on to business end
user 112a. Instead, service provider 116a may enter into an **agreement** with a **network** operator where the business end users do not get charged for using the communications channels...

...operator. These
costs may instead be passed to service provider 116a as part of the **agreement**. Thus, the **network** operator may bill service provider 116a per the **agreement** (step 412). To accomplish this, **network** operator 110a may send service provider 116a an invoice indicating that payment is due...

17/3,K/17 (Item 17 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00893453 **Image available**
METHOD AND SYSTEM FOR PROVIDING SETTLEMENT OF INTERCONNECTED
PACKET-SWITCHED NETWORKS
PROCEDE ET SYSTEME PERMETTANT LE REGLEMENT DE RESEAUX A COMMUTATION PAR
PAQUETS INTERCONNECTES

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Priority Application: US 2000670365 20000926

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EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

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Fulltext Availability:
Detailed Description
Claims

English Abstract

An approach for supporting settlement of **network** usage associated with **multiple network service providers** is disclosed. A settlement system (301) includes a processor that determines a settlement **agreement** among the **network** service providers. The settlement **agreement** specifies rate information associated with traffic exchange among the corresponding **networks** of the **network** service providers. A traffic monitor (307) measures source traffic statistics, which is stored in a...

...the stored traffic statistics; the settlement information includes usage cost differential information for reconciliation of **network** usage among the various **networks**.

Detailed Description

... which would be available to commercial Internet networks to attach and exchange traffic with other **networks**, thereby allowing their customers to communicate.

In addition to the NSF-funded NAPs, there are...

...I O models: bilateral or multilateral agreements. A bilateral agreement is typically a contract between **two providers** that specifies the exchange of customer traffic through one or more public interconnection points. Under...

...the facility owner to place equipment (e.g., a router) to connect to the exchange **network**. The Internet service provider may then conduct bilateral agreements with **other** Internet service **providers**, 15 which have **networks** that are connected at this point to exchange traffic, but is not obligated to establish...

...agreements. The exchange of traffic allows one Internet service provider to terminate traffic on the **network** of **another** Internet service **provider**.

A multilateral agreement is typically a contract among **several providers** to exchange customer traffic through a single interconnection point. The exchange point operated by the...

...example of the latter. The CIX router was established in 1991 for the first commercial **networks** that were prohibited from exchanging traffic with the NSFNET as a result of the acceptable use policy (AUP). The CIX router offered privately funded **networks** the opportunity to exchange traffic, and the CIX agreement mandated that every 3 member that connected would exchange traffic with all other **networks** connected to the CIX.

Although no settlements are imposed, every CIX member pays a membership fee.

Regardless of whether it follows the bilateral or multilateral arrangement, an Internet **interconnection agreement** is based on the SKA financial model, in which the termination of traffic has no...NAP architecture is under serious question. There seem to be two alternatives which result: the **interconnection agreements** concluded at the NAPs reflect the relative value of the good (i.e., traffic or...

plurality of **networks** of a plurality of network service providers, the method comprising: determining a settlement agreement between...an account field for storing a unique account number of one of the plurality of **network** service providers;
a rate field for storing at least one of a global rate information and a specific rate information as specified by the one **network** service provider; and
an interconnection list record comprising a **network** service provider field for storing an 15 identification information of **another network service provider**, a traffic statistics field for storing traffic statistics of a connection associated with the **other network service provider**, a discount rate field for storing pricing information, and a usage cost differential field for storing a difference between **network** usage between a **network** of the one **network** service provider and another **network** of the **second network service provider**. 45

17/3,K/18 (Item 18 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00890259

WEB-BASED TRANSACTIONAL SYSTEM

SYSTEME DE TRANSACTION PAR INTERNET

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Patent and Priority Information (Country, Number, Date):

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Detailed Description

Claims

Detailed Description

... interpretation method; and

Figure 2 is a flowchart detailing the operation of the present-inventive **network** with respect to the negotiation, ...an application service provider solution to electronic negotiation, formation, modification, performance interpretation, and analysis of **contracts**. A **network** of users established by the application service provider communicates via the Internet through a portal...

...site.

The back end computing architecture is 'responsible for tracking the

a user product availability status and projection memory adapted to store **network** user product availability statuses and projections; wherein said host **computer** system is adapted to broadcast relevant product availability statuses and projections of a first **network** user upon request by a **second network user** indicating a desire to explore contractual relations with said first **network** user.
13 The system in Claim 9, wherein said host **computer** system is further adapted to provide analysis of contract terms or proposed contract terms during...

17/3,K/20 (Item 20 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00886047

SYSTEM, METHOD, USES, PRODUCTS, PROGRAM PRODUCTS, AND BUSINESS METHODS FOR DISTRIBUTED INTERNET AND DISTRIBUTED NETWORK SERVICES
SYSTEME, PROCEDE, UTILISATIONS, PRODUITS, PRODUITS PROGRAMMES ET PROCEDES COMMERCIAUX POUR INTERNET REPARTI ET SERVICES DE RESEAU REPARTIS

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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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Fulltext Availability:

Detailed Description
Claims

Detailed Description

... server and a Web server. However, middleware typically runs on servers that operate between the **clients** and other servers in a **network**. For example, these other servers may include an Oracle Database, IBM DB2 and IBM CICS server. Middleware is often used to execute certain **computer** programs which are meant to off load processing from these other servers, to preprocess information for **client computers**, and/or to perform a set of functions or services that are commonly needed for...

...over and other application level services.

A typical Enterprise Information System ("EIS") is comprised of **client computers**, middleware servers, and database servers. Web servers are included within the EIS when web browser based **clients** must be served via the Internet/Intranet. EIS's are generally known and may include...

Claim

... to claim 17, wherein the communications network is at least one of a local area **network**, a metropolitan area **network**, a wide area **network**, a wireless **network**, a satellite network, a data network, and a public switch telephone network.

22 The method...

17/3,K/21 (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00885451 **Image available**

METHOD FOR ENFORCING SERVICE LEVEL AGREEMENTS

PROCEDE D'APPLICATION D'ACCORDS SUR LES NIVEAUX DE SERVICE

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EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

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Detailed Description

Claims

Detailed Description

... SLAs and service level management (SLM) to the next level. Such a technology would identify **network** resources that were reaching their maximum performance and allow the **network** to dynamically allocate additional resources, which could be metered and billed to the customer. Additionally...

...for email viruses and worms. This would allow the provider to differentiate his services from **other providers** and would provide content that could be charged for by the provider. The customer would...

...of installing and maintaining security equipment to the provider.

Accordingly, what is needed is a **network** device that can enforce service level **agreements** by being able to recognize **network** traffic at wire speeds and by dynamically LO modifying the traffic or the **network** to accommodate performance and resource policies agreed to between the provider and customer. Further, the **network** device is able to provide security for the **network** that is maintained by the provider as a service to the customer.

DISCLOSURE OF INVENTION...

...provides for a network device or apparatus that is able to enforce [5 service level **agreements** between providers and customers. The **network** device includes memory, which contains information specific to each customer, or subscriber. The memory also...

Claim

1. A **network** device for enforcing service level **agreements** between a provider and a customer set relating to a network having network traffic composed...

...and policies, the policies defining network attributes and services agreed to in the service level **agreement**; a traffic flow scanning processor **connected** to the memory for scanning data packets, associating the data packets with a particular customer...

...includes modifying the data packet.

10 A method for enforcing resource allocation in service level **agreements** for a data **network** including a plurality of traffic flows each formed by a plurality of data packets, the...

17/3,K/22 (Item 22 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00876792 **Image available**

TELECOMMUNICATION-BASED COMMON CONTRACTING
ETABLISSEMENT DE CONTRAT COMMUN PAR TELECOMMUNICATIONS

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GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

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Fulltext Availability:

Detailed Description

English Abstract

Agreement formation system utilizing a global telecommunications **network** (14) with independently stored **contract** terms and/or supplements to contract term accessible by contracting or potentially contracting parties (12...

Detailed Description

... election of the parties such that subsequent modifications may be notified to them by the **network** site and they may be deemed to accept each such modification unless they reject it...

...and may provide feedback from them regarding the effect of a proposed change on their **contract** .

The global **network** site maintains a system for electronic discussion groups and One method (among others enabled ...the drawing figures it is seen that the systems comprise the following.

FIG. 1, a **computer workstation** (2), a global **network** (4), a global **network** site (6), a page on the global **network** site (8), a **contract** provision (10) and a unique identifier for such contract provision (12). Such station and such site are connected to such **network** .

Such page is stored on such site. Such contract provision is on such page. **Two users** wishing to enter into a contract use at least one such station to read the...

...system for notifying the user of changes to such provision, consisting of such station, such **network** , such site, such page, a **computer** program (14); a request (16) and a notification (18). A user desiring to...

...program by electronic message specifying such page (20) and such user's address on such **network** (22). Such program registers such request.

Such program regularly checks such page for modification and...

...and sends it by electronic mail addressed (24) to such user's address on such **network** and the identity of the page that was modified (26). Such program may be integrated...

...of a contract terms comprising at least three such stations (2, 28 and 30), such **network** , such site, such page, such **contract** provision, at least two electronic messages (32 and 34) and a program (36). **Two or more users** who are potential parties to contracts relating to specified types of transactions and at least...

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00848553 **Image available**

**AGREEMENT MANAGEMENT SYSTEM AND METHOD
SYSTEME ET PROCEDE DE GESTION D'ACCORDS**

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MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ
UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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Fulltext word Count: 14022

Fulltext Availability:

Claims

English Abstract

An agreement management system for organizing information around
agreements and **chains of agreements**. The system includes an
agreement database and notes database for storing agreements and
information directly...

...in negotiating an agreement, modifying an existing agreement and
managing the performance of an existing **agreement** (20). The system
supports **agreement chains** which permit the **linking** of pairs of
agreements such that the customer of one of the **linked agreements** is
a supplier to a customer of another of the **linked agreements**.
Templates that permit the simple reuse of **agreement chains** are also
supported by the system. A number of ancillary databases, such as a
contacts...

Claim

... of storing the request in the agreement database in a record that
includes or is **linked** to the **agreement ID**, after formulating the
request; and wherein the step of saving the correspondence from the...

...in the agreement database of the first party in a record that includes
or is **linked** to the **agreement ID**.

3 A method of organizing information around agreements as recited in
claim 1, wherein...

...in the agreement database of the first party in a record that includes
or is **linked** to the **agreement ID**.

12 A method of organizing information around agreements as recited in

1 5

39 A method of managing **agreements** to form a supply **chain** as recited in claim 36, wherein the step of formulating the second. request includes specifying...

...obtaining the first agreement ID based on the deliverable specified.
40 A method of managing **agreements** to form a supply **chain** as recited in claim 36, wherein ...obtaining the first agreement ID based on the deliverable specified.

41 A method of managing **agreements** to form a supply **chain** as recited in claim 36, wherein the step of formulating the second request includes specifying...

17/3,K/27 (Item 27 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00825034

METHOD AND SYSTEM FOR NEGOTIATING TRANSPORTATION CONTRACTS VIA A GLOBAL COMPUTER NETWORK

PROCEDE ET SYSTEME PERMETTANT DE NEGOCIER DES CONTRATS DE TRANSPORT VIA UN RESEAU D'ORDINATEUR MONDIAL

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2001US3251 20010201 (PCT/WO US0103251)
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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

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METHOD AND SYSTEM FOR NEGOTIATING TRANSPORTATION CONTRACTS VIA A GLOBAL COMPUTER NETWORK

Fulltext Availability:

Detailed Description

Claims

Detailed Description

METHOD AND SYSTEM FOR NEGOTIATING TRANSPORTATION CONTRACTS VIA A GLOBAL COMPUTER NETWORK

BACKGROUND OF THE INVENTION

This application claims priority from U.S. provisional application 60/178
...

...method and system for the negotiation of transportation contracts
between shippers and carriers (and/or **other third parties**, such and
third party logistics providers and freight forwarders) which is
preferably implemented through an Internet web site.

The entire disclosure...

Claim

1 A system for negotiating transportation **contracts** through a **computer network**,
comprising:
a database storing and maintaining identifying information related to a
plurality of users, said users having registered with the system and
being classified as either a shipper or...

...a plurality of transportation lanes;
wherein one or more carriers access said system through the **computer network** to
review said at least one request for quotation; and
wherein each of said carriers...

...system is accessed by users through an Internet browser.

14 A method for negotiating transportation **contracts** through a computer
network between a shipper and one or more carriers, comprising the
steps of
providing said shipper...

...server through said computer network through an Internet browser.

21 A method for negotiating transportation **contracts** through a computer
network in
which:
a shipper submits a request for quotation defining said...

...or more carriers review said request for quotation by accessing said
server through said computer **network**, and said one or more carriers
submit bids on one or more
...shipper, and then can accept the award of one or more transportation
lanes.

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. A **network** for negotiating transportation **contracts**, including:
a **multiplicity of individual carrier computers** for accessing a
database resident on a central **computer** that is integrally connected to
said **network**, said database storing and
maintaining identifying information related to said carrier **computers** ;
at least one shipper **computer** for accessing the database resident on
the central **computer** that is integrally connected to said **network**,
said database also storing and maintaining identifying information
related to said at least one shipper **computer**, and said database also
storing and maintaining data associated with at least one request for
quotation comprised of a
plurality of transportation lanes;
wherein said carrier **computers** access said **network** to review said at
least one
request for quotation; and
wherein said carrier computers can...

00767614 **Image available**

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR AUTOMATICALLY GENERATING A
TAILORED LICENSE AGREEMENT**
SYSTEME, PROCEDE, ET ARTICLE FABRICATION PERMETTANT DE GENERER
AUTOMATIQUEMENT UN DROIT D'UTILISATION PERSONNALISE

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200101225 A1 20010104 (WO 0101225)

Application: WO 2000US18049 20000629 (PCT/WO US0018049)

Priority Application: US 99343489 19990630

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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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Fulltext word Count: 28016

Fulltext Availability:

Detailed Description

Claims

English Abstract

...allowed to select software over the network. The selected software is
then downloaded over the **network** and a license **agreement** is generated
utilizing the user input. Thereafter, the license **agreement** is
downloaded over the **network**. Upon the receipt of an acceptance of the
license **agreement** over the **network**, the acceptance is stored and
reported to a source of the software.

Detailed Description

... integrity of the system may require each installation secure subsystem
to electronically warrant that their **node** meets certain
interoperability requirements). In the above example, these six
agreements could comprise agreements of an extended **agreement** for this
commercial value **chain** instance.

Some **agreements** support evolving ("living") electronic agreement
arrangements that can be modified by current and/or newby negotiation
between concurrently proposed content control information submitted by a
plurality of **parties**. A given model may be asynchronously and
progressively modified over time in accordance with existing...

...or to specific content, and/or to classes and/or specific users and/or
user **nodes**. A given piece of content may be subject to different

control information at different times...

Claim

... the user to select software over the network;
(d) downloading the selected software over the **network** ;
(e) generating a license **agreement** utilizing the user input;
(f) downloading the license **agreement** over the **network** ;
(g) receiving an acceptance of the license **agreement** over the **network** ;
(h) storing the acceptance of the license agreement; and
1 5 (1) reporting the acceptance...
...a license agreement utilizing the user input; (f) a code segment that
downloads the license **agreement** over the **network** ; (g) a code segment
that receives an acceptance of the license **agreement** over the **network** ;
(h) a code segment that stores the acceptance of the license agreement;
and (i) a...a license agreement utilizing the user input;
I 0 (f) logic that downloads the license **agreement** over the **network** ;
(g) logic that receives an acceptance of the license **agreement** over the
network ;
(h) logic that stores the acceptance of the license agreement; and
(1) logic that reports...

17/3,K/59 (Item 59 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00364085 **Image available**

ON-LINE CONTRACT NEGOTIATING APPARATUS AND METHOD

APPAREIL ET PROCEDE DE NEGOCIATION DE CONTRAT EN DIRECT

Patent Applicant/Assignee:

SLOO Marshall A,

Inventor(s):

SLOO Marshall A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9704410 A1 **19970206**

Application: WO 96US11566 19960711 (PCT/WO US9611566)

Priority Application: US 95503718 19950718

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AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP
KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD
SE SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ
MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF
CG CI CM GA GN ML MR NE SN TD TG

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Patent: ... **19970206**

Fulltext Availability:

Detailed Description

Claims

English Abstract

...and method for facilitating the negotiation of contracts is disclosed.
The apparatus and method allows **two or more parties** to negotiate a
contract (210) over a communication **network** and creates a data record
of the terms (212), conditions and obligations of the final...

Publication Year: **1997**

Detailed Description

... particularly, the invention relates to an on-line
contract negotiating apparatus and method that allows **two**